# Appendix D

# Density and Standing Crop Estimates

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| D-200 | Regional standing crop (in thousands) of white catfish young-of-year in Hudson River estuary determined from Long River Survey, 2000 |

## APPENDIX D

## LIST OF TABLES (CONTINUED)


| Number | Title |
|---|---|
| D-201 | Regional density (no./1,000 $m^3$) of white catfish young-of-year in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-202 | Regional standing crop (in thousands) of white catfish young-of-year in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-203 | Regional catch-per-unit-effort of white catfish young-of-year in Hudson River estuary determined from Beach Seine Survey, 2000 |
| D-204 | Regional standing crop (in thousands) of white catfish young-of-year in Hudson River estuary determined from Beach Seine Survey, 2000 |
| D-205 | Regional density (no./1,000 $m^3$) of white catfish yearling and older in Hudson River estuary determined from Long River Survey, 2000 |
| D-206 | Regional standing crop (in thousands) of white catfish yearling and older in Hudson River estuary determined from Long River Survey, 2000 |
| D-207 | Regional density (no./1,000 $m^3$) of white catfish yearling and older in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-208 | Regional standing crop (in thousands) of white catfish yearling and older in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-209 | Regional catch-per-unit-effort of white catfish yearling and older in Hudson River estuary determined from Beach Seine Survey, 2000 |
| D-210 | Regional standing crop (in thousands) of white catfish yearling and older in Hudson River estuary determined from Beach Seine Survey, 2000 |
| D-211 | Regional density (no./1,000 $m^3$) of weakfish young-of-year in Hudson River estuary determined from Long River Survey, 2000 |
| D-212 | Regional standing crop (in thousands) of weakfish young-of-year in Hudson River estuary determined from Long River Survey, 2000 |
| D-213 | Regional density (no./1,000 $m^3$) of weakfish young-of-year in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-214 | Regional standing crop (in thousands) of weakfish young-of-year in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-215 | Regional catch-per-unit-effort of weakfish young-of-year in Hudson River estuary determined from Beach Seine Survey, 2000 |
| D-216 | Regional standing crop (in thousands) of weakfish young-of-year in Hudson River estuary determined from Beach Seine Survey, 2000 |

## APPENDIX D

## LIST OF TABLES (CONTINUED)


| Number | Title |
|---|---|
| D-217 | Regional density (no./1,000 $m^3$) of bluefish young-of-year in Hudson River estuary determined from Long River Survey, 2000 |
| D-218 | Regional standing crop (in thousands) of bluefish young-of-year in Hudson River estuary determined from Long River Survey, 2000 |
| D-219 | Regional density (no./1,000 $m^3$) of bluefish young-of-year in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-220 | Regional standing crop (in thousands) of bluefish young-of-year in Hudson River estuary determined from Fall Shoals Survey, 2000 |
| D-221 | Regional catch-per-unit-effort of bluefish young-of-year in Hudson River estuary determined from Beach Seine Survey, 2000 |
| D-222 | Regional standing crop (in thousands) of bluefish young-of-year in Hudson River estuary determined from Beach Seine Survey, 2000 |

TABLE D-1 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.15 | 7.41 | 28.69 | 247.54 | 109.46 | 694.52 | 236.84 | 76.91 | 0.25 | 0.00 | 107.83 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.15 | 3.49 | 15.49 | 196.53 | 60.10 | 267.15 | 140.59 | 10.43 | 0.25 | 0.00 | 365.70 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.27 | 2.83 | 2.12 | 612.88 | 67.63 | 502.43 | 7909.42 | 664.76 | 1398.74 | 8257.59 | 2784.78 | 42.57 | 0.00 | 1711.23 |
| 19MAY | SE | 0.27 | 2.04 | 1.36 | 213.72 | 46.31 | 220.93 | 1557.72 | 292.75 | 652.84 | 2458.98 | 1294.89 | 33.38 | 0.00 | 3280.16 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.24 | 1.42 | 0.49 | 6.68 | 1.03 | 88.40 | 172.98 | 223.25 | 9.86 | 0.20 | 0.00 | 0.00 | 38.81 |
| 26MAY | SE | 0.00 | 0.24 | 0.60 | 0.37 | 3.02 | 0.68 | 70.97 | 91.45 | 109.90 | 6.07 | 0.20 | 0.00 | 0.00 | 159.77 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 72.10 | 57.29 | 4.50 | 14.02 | 2400.56 | 58.18 | 1.85 | 0.00 | 200.75 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 45.38 | 35.53 | 2.04 | 9.26 | 755.54 | 57.92 | 0.65 | 0.00 | 760.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-1 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.69 | 0.21 | 0.21 | 0.74 | 3.92 | 22.25 | 1.36 | 19.97 | 14.13 | 3.52 | 44.17 | 6.90 | 0.00 | 9.08 |
| 08JUN | SE | 0.69 | 0.21 | 0.21 | 0.74 | 2.71 | 13.25 | 0.86 | 7.91 | 3.79 | 1.66 | 32.86 | 4.59 | 0.00 | 36.95 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.37 | 0.20 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 2.57 | 1.22 | 12.39 | 10.49 | 3.49 | 2.41 |
| 15JUN | SE | 0.00 | 0.37 | 0.20 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 1.81 | 0.92 | 8.07 | 4.45 | 3.16 | 9.98 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.62 | 4.10 | 0.00 | 0.24 | 0.00 | 0.55 | 1.78 | 2.55 | 1.83 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.67 | 2.15 | 0.00 | 0.24 | 0.00 | 0.55 | 0.89 | 2.22 | 10.21 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.86 | 0.80 | 0.16 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.24 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.32 | 0.43 | 0.16 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 1.42 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-2 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 502 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 546 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 502 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 504 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 22 | 1544 | 5952 | 34604 | 32635 | 114933 | 33506 | 13560 | 40 | 0 | 236796 |
| 12MAY | SE | 0 | 0 | 0 | 22 | 728 | 3213 | 27473 | 17919 | 44210 | 19889 | 1839 | 40 | 0 | 58653 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 56 | 649 | 681 | 90546 | 14090 | 104231 | 1105666 | 198187 | 231470 | 1168200 | 490945 | 6842 | 0 | 3411563 |
| 19MAY | SE | 56 | 469 | 438 | 31574 | 9647 | 45832 | 217755 | 87279 | 108035 | 347872 | 228284 | 5365 | 0 | 493006 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 56 | 458 | 72 | 1391 | 215 | 12358 | 51572 | 36945 | 1394 | 36 | 0 | 0 | 104498 |
| 26MAY | SE | 0 | 56 | 194 | 55 | 629 | 140 | 9921 | 27264 | 18187 | 859 | 36 | 0 | 0 | 34260 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 0 | 0 | 0 | 0 | 260 | 14959 | 8008 | 1341 | 2321 | 339607 | 10257 | 297 | 0 | 377049 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 249 | 9415 | 4967 | 607 | 1533 | 106886 | 10211 | 105 | 0 | 107912 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-2 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 144 | 48 | 67 | 109 | 816 | 4616 | 190 | 5954 | 2338 | 498 | 7786 | 1110 | 0 | 23677 |
| 08JUN | SE | 144 | 48 | 67 | 109 | 566 | 2749 | 121 | 2358 | 627 | 235 | 5794 | 738 | 0 | 6932 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 0 | 85 | 66 | 0 | 0 | 0 | 91 | 0 | 425 | 173 | 2184 | 1685 | 248 | 4956 |
| 15JUN | SE | 0 | 85 | 66 | 0 | 0 | 0 | 85 | 0 | 300 | 130 | 1422 | 716 | 225 | 1647 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 3033 | 574 | 0 | 39 | 0 | 97 | 286 | 181 | 4210 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 2006 | 300 | 0 | 39 | 0 | 97 | 143 | 158 | 2042 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 0 | 0 | 0 | 0 | 21 | 386 | 112 | 47 | 0 | 35 | 0 | 0 | 0 | 601 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 21 | 273 | 61 | 47 | 0 | 35 | 0 | 0 | 0 | 286 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-3 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.52 | 30.41 | 20.49 | 34.19 | 16.67 | 4.96 | 1.00 | 0.00 | 0.00 | 9.45 | 0.00 | 9.05 |
| 12MAY | SE | 0.00 | 0.00 | 0.52 | 6.41 | 5.14 | 25.87 | 6.40 | 1.46 | 0.47 | 0.00 | 0.00 | 9.45 | 0.00 | 29.49 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 17.47 | 38.04 | 786.90 | 4130.59 | 11781.37 | 14426.63 | 7049.51 | 759.43 | 48.65 | 2.95 | 20.29 | 2.17 | 0.56 | 3004.97 |
| 19MAY | SE | 5.43 | 11.23 | 150.34 | 1075.71 | 2572.84 | 6419.14 | 1944.20 | 228.91 | 30.40 | 2.95 | 19.03 | 1.77 | 0.56 | 7269.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 4.46 | 1011.20 | 5254.84 | 991.17 | 1041.73 | 1269.12 | 2096.54 | 2728.79 | 797.67 | 71.10 | 0.41 | 0.80 | 0.00 | 1174.45 |
| 26MAY | SE | 1.99 | 337.02 | 1360.65 | 347.49 | 235.81 | 509.18 | 429.20 | 731.15 | 179.70 | 34.83 | 0.25 | 0.80 | 0.00 | 1775.63 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 85.40 | 1182.43 | 1988.22 | 541.71 | 236.74 | 253.13 | 383.11 | 86.02 | 10.29 | 3.31 | 0.00 | 366.95 |
| 02JUN | SE | 0.00 | 0.00 | 68.40 | 252.23 | 907.10 | 167.17 | 82.42 | 81.91 | 160.01 | 21.12 | 3.64 | 2.48 | 0.00 | 979.11 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-3 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 2.88 | 1608.57 | 7265.09 | 6287.19 | 2130.26 | 916.19 | 322.68 | 217.85 | 282.59 | 36.73 | 11.31 | 1467.80 |
| 08JUN | SE | 0.00 | 0.00 | 1.68 | 441.84 | 4433.64 | 2868.85 | 351.03 | 298.81 | 115.79 | 123.36 | 52.90 | 20.89 | 8.29 | 5322.32 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 2.29 | 16.55 | 90.73 | 80.58 | 211.43 | 8.95 | 60.00 | 86.70 | 61.90 | 78.83 | 97.36 | 18.04 | 1.66 | 62.69 |
| 15JUN | SE | 1.68 | 8.85 | 18.91 | 17.75 | 80.03 | 3.22 | 19.88 | 45.16 | 18.58 | 28.01 | 38.48 | 13.86 | 1.66 | 111.39 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 2.44 | 13.40 | 4.46 | 8.08 | 5.17 | 7.71 | 108.00 | 17.54 | 0.00 | 0.00 | 12.83 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 1.13 | 5.72 | 1.86 | 5.93 | 3.71 | 3.36 | 47.08 | 12.28 | 0.00 | 0.00 | 49.65 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.27 | 0.25 | 4.07 | 5.59 | 1.27 | 2.41 | 0.12 | 1.28 | 0.00 | 0.46 | 0.00 | 1.21 |
| 29JUN | SE | 0.00 | 0.00 | 0.27 | 0.25 | 2.09 | 2.78 | 0.39 | 1.76 | 0.12 | 0.98 | 0.00 | 0.46 | 0.00 | 4.08 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-4 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 169 | 4493 | 4268 | 7093 | 2331 | 1479 | 165 | 0 | 0 | 1519 | 0 | 21516 |
| 12MAY | SE | 0 | 0 | 169 | 947 | 1071 | 5368 | 894 | 435 | 77 | 0 | 0 | 1519 | 0 | 5847 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 3651 | 8726 | 253234 | 610239 | 2454487 | 2992889 | 985458 | 226411 | 8051 | 417 | 3577 | 349 | 40 | 7547529 |
| 19MAY | SE | 1136 | 2576 | 48381 | 158922 | 536017 | 1331688 | 271782 | 68244 | 5031 | 417 | 3354 | 284 | 40 | 1472029 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 932 | 231991 | 1691067 | 146433 | 217030 | 263287 | 293078 | 813545 | 132003 | 10059 | 73 | 129 | 0 | 3799625 |
| 26MAY | SE | 416 | 77320 | 437872 | 51337 | 49128 | 105631 | 59998 | 217981 | 29738 | 4927 | 45 | 129 | 0 | 515695 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 27483 | 174689 | 414219 | 112380 | 33095 | 75465 | 63399 | 12170 | 1813 | 532 | 0 | 915245 |
| 02JUN | SE | 0 | 0 | 22012 | 37264 | 188982 | 34681 | 11521 | 24421 | 26480 | 2988 | 642 | 398 | 0 | 200574 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-4 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 926 | 237645 | 1513582 | 1304315 | 297791 | 273148 | 53398 | 30820 | 49819 | 5904 | 805 | 3768151 |
| 08JUN | SE | 0 | 0 | 541 | 65276 | 923689 | 595159 | 49071 | 89087 | 19162 | 17451 | 9327 | 3358 | 590 | 1105799 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 480 | 3796 | 29199 | 11905 | 44048 | 1856 | 8387 | 25849 | 10244 | 11153 | 17165 | 2900 | 118 | 167098 |
| 15JUN | SE | 350 | 2030 | 6085 | 2622 | 16672 | 668 | 2779 | 13464 | 3075 | 3962 | 6783 | 2228 | 118 | 24325 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 361 | 2791 | 925 | 1130 | 1542 | 1276 | 15278 | 3092 | 0 | 0 | 26396 |
| 22JUN | SE | 0 | 0 | 0 | 167 | 1191 | 385 | 829 | 1106 | 557 | 6661 | 2166 | 0 | 0 | 7271 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 88 | 36 | 849 | 1160 | 178 | 717 | 19 | 181 | 0 | 74 | 0 | 3302 |
| 29JUN | SE | 0 | 0 | 88 | 36 | 435 | 577 | 54 | 525 | 19 | 138 | 0 | 74 | 0 | 914 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-5 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 3.81 | 10.75 | 292.04 | 2319.38 | 124.70 | 116.97 | 7.08 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 221.30 |
| 19MAY | SE | 0.00 | 1.51 | 4.64 | 190.89 | 830.84 | 59.61 | 57.67 | 5.29 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 856.54 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 762.36 | 61996.69 | 41527.28 | 13894.55 | 17363.02 | 609.91 | 3717.01 | 155.31 | 1.04 | 1.24 | 1.18 | 0.40 | 0.00 | 10771.54 |
| 26MAY | SE | 547.89 | 24468.67 | 8200.60 | 4298.08 | 5031.35 | 215.47 | 1246.97 | 141.88 | 0.54 | 1.24 | 1.18 | 0.40 | 0.00 | 26677.24 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 1130.80 | 6094.78 | 4156.33 | 7840.11 | 6724.87 | 544.51 | 94.38 | 73.87 | 131.51 | 0.54 | 0.00 | 0.00 | 0.34 | 2060.93 |
| 02JUN | SE | 299.18 | 2397.95 | 528.72 | 1724.64 | 1466.51 | 263.03 | 34.57 | 33.16 | 131.16 | 0.54 | 0.00 | 0.00 | 0.34 | 3366.44 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-5 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 14452.65 | 7950.45 | 9654.85 | 5741.99 | 2895.30 | 1297.94 | 1051.65 | 530.94 | 36.72 | 37.67 | 4.59 | 0.00 | 133.72 | 3368.34 |
| 08JUN | SE | 2117.20 | 1427.73 | 1979.57 | 1390.25 | 1610.91 | 259.60 | 195.84 | 270.87 | 24.24 | 21.36 | 2.66 | 0.00 | 129.07 | 3894.13 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 1827.18 | 6600.33 | 3033.84 | 750.81 | 360.22 | 143.77 | 49.26 | 107.75 | 20.92 | 0.00 | 0.00 | 0.42 | 4.44 | 992.23 |
| 15JUN | SE | 517.50 | 1114.57 | 937.43 | 119.43 | 113.53 | 35.54 | 11.26 | 89.05 | 15.69 | 0.00 | 0.00 | 0.42 | 4.44 | 1557.43 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 1789.78 | 1127.18 | 4411.15 | 135.62 | 228.90 | 296.69 | 492.21 | 458.42 | 40.63 | 23.25 | 1.34 | 0.00 | 5.24 | 693.11 |
| 22JUN | SE | 739.82 | 242.78 | 721.99 | 36.52 | 105.59 | 108.35 | 108.73 | 442.72 | 15.93 | 9.43 | 0.86 | 0.00 | 3.38 | 1166.17 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 808.50 | 619.02 | 276.58 | 321.95 | 718.11 | 93.96 | 119.95 | 23.44 | 64.22 | 31.35 | 8.08 | 18.30 | 2.52 | 238.92 |
| 29JUN | SE | 388.59 | 219.10 | 66.95 | 61.41 | 211.97 | 29.23 | 21.23 | 8.78 | 19.45 | 3.88 | 3.71 | 10.06 | 2.18 | 504.07 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.68 | 29.75 | 24.27 | 92.08 | 80.01 | 41.19 | 156.61 | 222.40 | NS | NS | NS | NS | NS | 80.87 |
| 13JUL | SE | 0.68 | 14.29 | 3.78 | 10.06 | 15.94 | 7.38 | 56.32 | 124.19 | | | | | | 138.65 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.87 | 13.42 | 2.56 | 4.85 | 17.88 | 6.02 | NS | NS | NS | NS | NS | 5.70 |
| 27JUL | SE | 0.00 | 0.00 | 0.87 | 2.60 | 0.83 | 2.21 | 0.42 | 4.29 | | | | | | 5.63 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.07 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.54 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-6 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 413 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 413 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 413 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 413 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 874 | 3458 | 43145 | 483211 | 25869 | 16352 | 2112 | 0 | 0 | 0 | 0 | 158 | 575180 |
| 19MAY | SE | 0 | 347 | 1492 | 28201 | 173093 | 12366 | 8062 | 1578 | 0 | 0 | 0 | 0 | 158 | 176010 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 159344 | 14223299 | 13363953 | 2052736 | 3617347 | 126530 | 519604 | 46302 | 173 | 175 | 208 | 64 | 0 | 34109735 |
| 26MAY | SE | 114516 | 5613609 | 2639046 | 634985 | 1048214 | 44701 | 174315 | 42299 | 89 | 175 | 208 | 64 | 0 | 6326643 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 236352 | 1398266 | 1337553 | 1158272 | 1401035 | 112962 | 13193 | 22024 | 21762 | 76 | 0 | 0 | 24 | 5701521 |
| 02JUN | SE | 62532 | 550139 | 170147 | 254793 | 305526 | 54567 | 4833 | 9886 | 21705 | 76 | 0 | 0 | 24 | 705230 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-6 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 3020787 | 1823995 | 3107042 | 848304 | 603195 | 269265 | 147011 | 158292 | 6077 | 5329 | 809 | 0 | 9514 | 9999620 |
| 08JUN | SE | 442521 | 327551 | 637048 | 205390 | 335611 | 53855 | 27377 | 80756 | 4011 | 3022 | 469 | 0 | 9183 | 934904 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 381904 | 1514251 | 976326 | 110922 | 75046 | 29826 | 6887 | 32123 | 3462 | 0 | 0 | 68 | 316 | 3131131 |
| 15JUN | SE | 108164 | 255705 | 301677 | 17644 | 23652 | 7373 | 1574 | 26550 | 2596 | 0 | 0 | 68 | 316 | 411987 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 374087 | 258598 | 1419558 | 20036 | 47688 | 61550 | 68807 | 136670 | 6723 | 3289 | 236 | 0 | 373 | 2397616 |
| 22JUN | SE | 154633 | 55700 | 232345 | 5395 | 21998 | 22477 | 15199 | 131991 | 2636 | 1334 | 152 | 0 | 241 | 315718 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 168987 | 142017 | 89006 | 47563 | 149608 | 19493 | 16769 | 6989 | 10627 | 4436 | 1425 | 2941 | 179 | 660039 |
| 29JUN | SE | 81221 | 50265 | 21545 | 9072 | 44161 | 6064 | 2968 | 2618 | 3218 | 548 | 655 | 1617 | 155 | 108103 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 141 | 6824 | 7811 | 13604 | 16668 | 8545 | 21893 | 66304 | NS | NS | NS | NS | NS | 141791 |
| 13JUL | SE | 141 | 3279 | 1216 | 1486 | 3320 | 1532 | 7874 | 37025 | | | | | | 38219 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 281 | 1982 | 533 | 1007 | 2499 | 1794 | NS | NS | NS | NS | NS | 8096 |
| 27JUL | SE | 0 | 0 | 281 | 385 | 173 | 459 | 58 | 1280 | | | | | | 1452 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 80 |
| 10AUG | SE | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | | | | | | 80 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-7 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-7 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 2.46 | 2.60 | 2.90 | 0.73 | 1.58 | 9.53 | 0.00 | NS | NS | NS | NS | NS | 2.48 |
| 13JUL | SE | 0.00 | 2.46 | 1.49 | 2.18 | 0.54 | 1.49 | 7.35 | 0.00 | | | | | | 8.34 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 1.40 | 6.17 | 0.95 | 3.67 | 15.02 | 4.05 | NS | NS | NS | NS | NS | 3.91 |
| 27JUL | SE | 0.00 | 0.00 | 1.12 | 3.51 | 0.51 | 2.95 | 10.38 | 3.37 | | | | | | 11.90 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 1.83 | 2.44 | 0.43 | 0.00 | 0.64 | 0.00 | NS | NS | NS | NS | NS | 0.67 |
| 10AUG | SE | 0.00 | 0.00 | 1.20 | 1.26 | 0.28 | 0.00 | 0.48 | 0.00 | | | | | | 1.83 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.52 | 0.50 | 0.00 | NS | NS | NS | NS | NS | 0.17 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.52 | 0.50 | 0.00 | | | | | | 0.78 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 1.21 | 0.38 | 0.00 | 0.29 | 0.00 | NS | NS | NS | NS | NS | 0.23 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.53 | 0.20 | 0.00 | 0.29 | 0.00 | | | | | | 0.64 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.61 | 0.18 | 0.37 | 0.34 | 0.05 | 0.00 | NS | NS | NS | NS | NS | 0.19 |
| 21SEP | SE | 0.00 | 0.00 | 0.48 | 0.18 | 0.12 | 0.22 | 0.05 | 0.00 | | | | | | 0.57 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.18 | 4.17 | 0.13 | 0.57 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.63 |
| 05OCT | SE | 0.00 | 0.00 | 0.18 | 3.52 | 0.13 | 0.57 | 0.00 | 0.00 | | | | | | 3.57 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-8 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-8 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 564 | 837 | 428 | 152 | 329 | 1333 | 0 | NS | NS | NS | NS | NS | 3642 |
| 13JUL | SE | 0 | 564 | 481 | 323 | 113 | 309 | 1027 | 0 | | | | | | 1348 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 449 | 911 | 197 | 762 | 2100 | 1209 | NS | NS | NS | NS | NS | 5628 |
| 27JUL | SE | 0 | 0 | 361 | 518 | 107 | 611 | 1451 | 1006 | | | | | | 1975 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 590 | 360 | 90 | 0 | 90 | 0 | NS | NS | NS | NS | NS | 1130 |
| 10AUG | SE | 0 | 0 | 387 | 186 | 59 | 0 | 68 | 0 | | | | | | 439 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 47 | 0 | 107 | 69 | 0 | NS | NS | NS | NS | NS | 223 |
| 24AUG | SE | 0 | 0 | 0 | 47 | 0 | 107 | 69 | 0 | | | | | | 136 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 179 | 78 | 0 | 41 | 0 | NS | NS | NS | NS | NS | 298 |
| 07SEP | SE | 0 | 0 | 0 | 79 | 42 | 0 | 41 | 0 | | | | | | 98 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 195 | 27 | 77 | 71 | 6 | 0 | NS | NS | NS | NS | NS | 377 |
| 21SEP | SE | 0 | 0 | 153 | 27 | 26 | 45 | 6 | 0 | | | | | | 164 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 59 | 616 | 26 | 118 | 0 | 0 | NS | NS | NS | NS | NS | 819 |
| 05OCT | SE | 0 | 0 | 59 | 519 | 26 | 118 | 0 | 0 | | | | | | 536 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-9 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 1.84 | 5.05 | 16.23 | 0.43 | 0.34 | 2.03 | 1.14 | 0.30 | 2.24 | 0.79 | 0.73 | 0.25 | 2.61 |
| 08JUL | SE | | 1.03 | 2.85 | 5.40 | 0.30 | 0.14 | 1.44 | 0.37 | 0.30 | 1.27 | 0.73 | 0.55 | 0.16 | 6.58 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.82 | 4.53 | 4.08 | 0.99 | 9.03 | 7.51 | 0.37 | 1.05 | 2.61 | 0.59 | 0.26 | 2.45 |
| 20JUL | SE | 0.00 | 0.00 | 0.48 | 1.93 | 1.44 | 0.45 | 1.97 | 3.38 | 0.18 | 0.51 | 0.82 | 0.40 | 0.26 | 4.77 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.06 | 0.02 | 0.35 | 3.01 | 3.61 | 1.46 | 1.72 | 0.14 | 0.21 | 1.72 | 2.16 | 0.20 | 0.26 | 1.15 |
| 03AUG | SE | 0.04 | 0.02 | 0.20 | 1.54 | 1.83 | 0.44 | 0.68 | 0.12 | 0.17 | 0.78 | 1.11 | 0.10 | 0.26 | 2.89 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.05 | 2.81 | 0.92 | 1.80 | 0.16 | 0.76 | 0.82 | 0.00 | 1.17 | 1.24 | 0.00 | 0.09 | 0.76 |
| 17AUG | SE | 0.00 | 0.03 | 2.31 | 0.32 | 0.61 | 0.04 | 0.46 | 0.80 | 0.00 | 0.80 | 0.43 | 0.00 | 0.09 | 2.74 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.02 | 1.12 | 0.47 | 4.41 | 0.09 | 2.78 | 0.08 | 0.00 | 0.56 | 7.80 | 0.10 | 0.00 | 1.34 |
| 31AUG | SE | 0.00 | 0.02 | 0.48 | 0.35 | 1.96 | 0.04 | 0.91 | 0.04 | 0.00 | 0.20 | 4.25 | 0.10 | 0.00 | 4.81 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.03 | 0.18 | 0.25 | 0.20 | 0.05 | 0.01 | 0.04 | 0.18 | 0.68 | 0.00 | 0.00 | 0.12 |
| 14SEP | SE | 0.00 | 0.00 | 0.03 | 0.10 | 0.10 | 0.17 | 0.03 | 0.01 | 0.04 | 0.11 | 0.27 | 0.00 | 0.00 | 0.37 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.21 | 1.43 | 0.31 | 0.23 | 1.61 | 0.17 | 0.02 | 0.53 | 2.39 | 0.00 | 0.00 | 0.53 |
| 28SEP | SE | 0.00 | 0.00 | 0.10 | 0.38 | 0.14 | 0.18 | 0.69 | 0.05 | 0.02 | 0.27 | 2.21 | 0.00 | 0.00 | 2.38 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.34 | 0.63 | 0.32 | 0.02 | 0.02 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.11 |
| 12OCT | SE | 0.00 | 0.00 | 0.18 | 0.45 | 0.11 | 0.01 | 0.01 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.50 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.03 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 26OCT | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.01 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.05 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.02 | 0.04 | 0.03 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 30NOV | SE | 0.00 | 0.02 | 0.04 | 0.03 | 0.05 | 0.02 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-10 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 422 | 1624 | 2398 | 90 | 70 | 284 | 339 | 49 | 317 | 139 | 117 | 18 | 5867 |
| 08JUL | SE | . | 235 | 916 | 798 | 63 | 28 | 202 | 110 | 49 | 180 | 129 | 88 | 12 | 1284 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 265 | 669 | 850 | 205 | 1263 | 2239 | 62 | 149 | 459 | 95 | 18 | 6272 |
| 20JUL | SE | 0 | 0 | 155 | 286 | 301 | 93 | 276 | 1007 | 31 | 72 | 144 | 64 | 18 | 1152 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 13 | 4 | 113 | 445 | 751 | 303 | 241 | 42 | 35 | 244 | 382 | 33 | 19 | 2623 |
| 03AUG | SE | 8 | 4 | 66 | 227 | 382 | 91 | 95 | 35 | 29 | 110 | 196 | 16 | 19 | 522 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 11 | 905 | 136 | 374 | 33 | 106 | 244 | 0 | 165 | 219 | 0 | 6 | 2200 |
| 17AUG | SE | 0 | 7 | 743 | 48 | 126 | 8 | 65 | 240 | 0 | 114 | 75 | 0 | 6 | 807 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 5 | 359 | 69 | 918 | 19 | 389 | 24 | 0 | 79 | 1376 | 17 | 0 | 3256 |
| 31AUG | SE | 0 | 5 | 153 | 52 | 408 | 8 | 127 | 11 | 0 | 28 | 749 | 17 | 0 | 878 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 9 | 27 | 52 | 41 | 7 | 4 | 6 | 25 | 120 | 0 | 0 | 290 |
| 14SEP | SE | 0 | 0 | 9 | 15 | 21 | 35 | 5 | 4 | 6 | 16 | 48 | 0 | 0 | 68 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 68 | 211 | 64 | 47 | 225 | 51 | 3 | 76 | 421 | 0 | 0 | 1165 |
| 28SEP | SE | 0 | 0 | 34 | 57 | 28 | 37 | 96 | 14 | 3 | 38 | 390 | 0 | 0 | 412 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 110 | 93 | 67 | 4 | 3 | 0 | 0 | 9 | 0 | 0 | 0 | 284 |
| 12OCT | SE | 0 | 0 | 57 | 66 | 23 | 3 | 2 | 0 | 0 | 9 | 0 | 0 | 0 | 91 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 6 | 0 | 6 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 18 |
| 26OCT | SE | 0 | 0 | 6 | 0 | 5 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 5 | 0 | 0 | 15 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 7 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 4 | 13 | 4 | 21 | 4 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 59 |
| 30NOV | SE | 0 | 4 | 13 | 4 | 10 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 19 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-11 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 4.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| 15JUN | SE | 3.06 | 0.55 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 45.00 | 0.91 | 0.14 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 3.87 |
| 28JUN | SE | 44.00 | 0.49 | 0.14 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 44.01 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 23.67 | 7.55 | 8.14 | 9.33 | 23.00 | 5.33 | 1.13 | 0.38 | 2.63 | 4.20 | 2.32 | 2.33 | 7.50 |
| 12JUL | SE | 13.17 | 2.28 | 4.64 | 3.71 | 1.53 | 3.18 | 0.48 | 0.26 | 1.94 | 1.50 | 1.16 | 1.32 | 15.36 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 25.80 | 6.42 | 13.79 | 5.60 | 8.80 | 2.67 | 3.20 | 6.40 | 30.80 | 7.11 | 8.00 | 1.43 | 10.00 |
| 27JUL | SE | 9.44 | 1.38 | 2.81 | 1.40 | 3.97 | 1.09 | 2.33 | 3.80 | 18.05 | 1.96 | 2.11 | 0.81 | 21.73 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 8.40 | 9.13 | 28.14 | 5.40 | 7.40 | 6.67 | 1.20 | 3.00 | 2.80 | 2.00 | 3.10 | 3.57 | 6.73 |
| 10AUG | SE | 4.18 | 1.90 | 7.87 | 1.69 | 3.08 | 2.69 | 1.20 | 3.00 | 2.08 | 0.78 | 1.35 | 1.72 | 11.08 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 5.20 | 3.96 | 10.07 | 12.20 | 8.80 | 1.00 | 1.00 | 1.20 | 3.80 | 10.11 | 5.00 | 2.00 | 5.36 |
| 23AUG | SE | 2.18 | 0.88 | 3.47 | 8.73 | 3.72 | 0.45 | 1.00 | 0.58 | 2.13 | 5.31 | 2.30 | 2.00 | 12.29 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 1.60 | 1.50 | 3.00 | 1.20 | 1.40 | 1.33 | 0.20 | 0.00 | 0.00 | 4.56 | 1.70 | 3.57 | 1.67 |
| 07SEP | SE | 1.12 | 0.49 | 1.53 | 0.49 | 1.40 | 0.67 | 0.20 | 0.00 | 0.00 | 1.74 | 1.05 | 2.10 | 3.89 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.54 | 5.43 | 0.00 | 13.20 | 3.83 | 0.60 | 0.00 | 1.00 | 1.33 | 2.30 | 0.00 | 2.35 |
| 20SEP | SE | 0.00 | 0.26 | 2.00 | 0.00 | 5.67 | 2.02 | 0.40 | 0.00 | 0.63 | 0.60 | 0.97 | 0.00 | 6.49 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 1.20 | 0.13 | 1.93 | 2.00 | 5.40 | 0.83 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.99 |
| 05OCT | SE | 0.37 | 0.09 | 0.79 | 0.89 | 2.46 | 0.48 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.46 | 2.50 | 4.40 | 2.20 | 1.00 | 0.40 | 0.00 | 0.00 | 0.11 | 0.00 | 0.14 | 0.93 |
| 18OCT | SE | 0.00 | 0.16 | 2.12 | 3.49 | 1.96 | 0.52 | 0.40 | 0.00 | 0.00 | 0.11 | 0.00 | 0.14 | 4.58 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-12 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 30 | 25 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 58 |
| 15JUN | SE | 23 | 25 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 339 | 41 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 387 |
| 28JUN | SE | 331 | 22 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 332 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 178 | 343 | 219 | 86 | 61 | 57 | 8 | < 0.5 | 23 | 74 | 46 | 32 | 1126 |
| 12JUL | SE | 99 | 104 | 125 | 34 | 4 | 34 | 3 | < 0.5 | 17 | 26 | 23 | 18 | 201 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 194 | 292 | 371 | 52 | 23 | 28 | 23 | 8 | 265 | 125 | 157 | 19 | 1557 |
| 27JUL | SE | 71 | 63 | 76 | 13 | 10 | 12 | 17 | 5 | 155 | 34 | 41 | 11 | 206 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 63 | 415 | 757 | 50 | 20 | 71 | 9 | 4 | 24 | 35 | 61 | 49 | 1556 |
| 10AUG | SE | 31 | 86 | 212 | 16 | 8 | 29 | 9 | 4 | 18 | 14 | 26 | 23 | 237 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 39 | 180 | 271 | 112 | 23 | 11 | 7 | 1 | 33 | 178 | 98 | 27 | 980 |
| 23AUG | SE | 16 | 40 | 93 | 80 | 10 | 5 | 7 | 1 | 18 | 93 | 45 | 27 | 170 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 12 | 68 | 81 | 11 | 4 | 14 | 1 | 0 | 0 | 80 | 33 | 49 | 353 |
| 07SEP | SE | 8 | 22 | 41 | 5 | 4 | 7 | 1 | 0 | 0 | 31 | 21 | 29 | 67 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 25 | 146 | 0 | 35 | 41 | 4 | 0 | 9 | 23 | 45 | 0 | 328 |
| 20SEP | SE | 0 | 12 | 54 | 0 | 15 | 22 | 3 | 0 | 5 | 11 | 19 | 0 | 65 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 9 | 6 | 52 | 18 | 14 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 111 |
| 05OCT | SE | 3 | 4 | 21 | 8 | 6 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 25 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 21 | 67 | 41 | 6 | 11 | 3 | 0 | 0 | 2 | 0 | 2 | 152 |
| 18OCT | SE | 0 | 7 | 57 | 32 | 5 | 6 | 3 | 0 | 0 | 2 | 0 | 2 | 66 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-13 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.10 |
| 22MAR | SE | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.51 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.44 | 0.00 | 0.00 | 1.12 | 0.16 | 0.28 | 0.00 | NS | NS | NS | NS | NS | NS | 0.29 |
| 29MAR | SE | 0.44 | 0.00 | 0.00 | 0.48 | 0.16 | 0.19 | 0.00 | | | | | | | 0.70 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 06APR | SE | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.73 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 13APR | SE | 0.48 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.40 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 20APR | SE | 0.23 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 04MAY | SE | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.25 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 12MAY | SE | 0.00 | 0.25 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.45 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.29 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-13 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.11 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.15 |
| 08JUN | SE | 0.00 | 0.00 | 0.11 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.00 | 0.81 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.11 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.85 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.04 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.54 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | NS | NS | NS | NS | NS | 0.03 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | | | | | | 0.26 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-14 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 148 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 148 |
| 22MAR | SE | 107 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 107 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 93 | 0 | 0 | 165 | 34 | 57 | 0 | NS | NS | NS | NS | NS | NS | 348 |
| 29MAR | SE | 93 | 0 | 0 | 70 | 34 | 38 | 0 | | | | | | | 127 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 125 |
| 06APR | SE | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 90 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 154 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 161 |
| 13APR | SE | 99 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 83 | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| 20APR | SE | 48 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| 04MAY | SE | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 58 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 |
| 12MAY | SE | 0 | 58 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 67 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 |
| 02JUN | SE | 0 | 0 | 0 | 42 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-14 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 35 | 181 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 0 | 316 |
| 08JUN | SE | 0 | 0 | 35 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 0 | 130 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 71 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 210 |
| 22JUN | SE | 0 | 0 | 0 | 71 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 130 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 38 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 38 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | NS | NS | NS | NS | NS | 76 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | | | | | | 76 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-15 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 08JUL | SE | | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.24 | 0.04 |
| 20JUL | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.24 | 0.35 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.00 | 0.00 | 0.01 |
| 31AUG | SE | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 0.00 | 0.00 | 0.08 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 12OCT | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 26OCT | SE | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 09NOV | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.02 | 0.04 | 0.04 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 30NOV | SE | 0.02 | 0.03 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-16 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 08JUL | SE | . | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 7 | 0 | 2 | 0 | 34 | 0 | 0 | 0 | 11 | 0 | 17 | 71 |
| 20JUL | SE | 0 | 0 | 7 | 0 | 2 | 0 | 34 | 0 | 0 | 0 | 11 | 0 | 17 | 41 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 5 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 17AUG | SE | 0 | 0 | 0 | 5 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 11 | 0 | 0 | 28 |
| 31AUG | SE | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 11 | 0 | 0 | 15 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 14SEP | SE | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 12OCT | SE | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 4 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 26OCT | SE | 0 | 4 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 09NOV | SE | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 4 | 8 | 13 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 30NOV | SE | 4 | 6 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-17 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.09 | 0.29 | 0.33 | 0.33 | 0.00 | 0.13 | 0.13 | 0.00 | 0.07 | 0.21 | 0.50 | 0.17 |
| 15JUN | SE | 0.00 | 0.09 | 0.29 | 0.33 | 0.33 | 0.00 | 0.13 | 0.13 | 0.00 | 0.07 | 0.16 | 0.34 | 0.70 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.13 | 0.13 | 0.25 | 0.00 | 0.05 | 0.00 | 0.07 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.13 | 0.13 | 0.25 | 0.00 | 0.05 | 0.00 | 0.46 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.27 | 0.29 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.42 | 0.17 |
| 12JUL | SE | 0.00 | 0.19 | 0.29 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.29 | 0.73 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.17 | 0.43 | 0.00 | 0.40 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.40 | 0.00 | 0.13 |
| 27JUL | SE | 0.00 | 0.10 | 0.29 | 0.00 | 0.40 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.22 | 0.00 | 0.59 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.25 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.10 |
| 10AUG | SE | 0.00 | 0.15 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.82 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.60 | 0.00 | 0.14 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.10 |
| 23AUG | SE | 0.40 | 0.00 | 0.10 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.58 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 07SEP | SE | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.14 | 0.05 |
| 20SEP | SE | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.14 | 0.40 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.03 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.23 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-18 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 4 | 8 | 3 | 1 | 0 | 1 | < 0.5 | 0 | 1 | 4 | 7 | 29 |
| 15JUN | SE | 0 | 4 | 8 | 3 | 1 | 0 | 1 | < 0.5 | 0 | 1 | 3 | 5 | 11 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 4 | 1 | < 0.5 | 2 | 0 | 1 | 0 | 8 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 4 | 1 | < 0.5 | 2 | 0 | 1 | 0 | 4 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 12 | 8 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 1 | 6 | 37 |
| 12JUL | SE | 0 | 9 | 8 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 4 | 14 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 8 | 12 | 0 | 1 | 0 | 0 | < 0.5 | 0 | 0 | 8 | 0 | 28 |
| 27JUL | SE | 0 | 4 | 8 | 0 | 1 | 0 | 0 | < 0.5 | 0 | 0 | 4 | 0 | 10 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 11 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 21 |
| 10AUG | SE | 0 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 10 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 5 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 14 |
| 23AUG | SE | 3 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 6 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 07SEP | SE | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 13 |
| 20SEP | SE | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 10 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| 05OCT | SE | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-19 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.36 | 1.04 | 0.36 | 0.37 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.30 |
| 22MAR | SE | 0.22 | 0.74 | 0.36 | 0.37 | 0.00 | 0.00 | 0.00 | | | | | | | 0.93 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.48 | 0.41 | 0.00 | 0.45 | 0.32 | 0.27 | 0.00 | NS | NS | NS | NS | NS | NS | 0.28 |
| 29MAR | SE | 0.30 | 0.41 | 0.00 | 0.22 | 0.32 | 0.18 | 0.00 | | | | | | | 0.66 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 06APR | SE | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.02 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.25 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 20APR | SE | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.03 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.39 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 19MAY | SE | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-19 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-20 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 75 | 239 | 116 | 55 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 485 |
| 22MAR | SE | 46 | 169 | 116 | 55 | 0 | 0 | 0 | | | | | | | 217 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 101 | 93 | 0 | 66 | 67 | 56 | 0 | NS | NS | NS | NS | NS | NS | 384 |
| 29MAR | SE | 62 | 93 | 0 | 33 | 67 | 37 | 0 | | | | | | | 140 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 06APR | SE | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 36 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 36 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 20APR | SE | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| 19MAY | SE | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-20 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 15JUN | SE | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-21 REGIONAL DENSITY (NO./1,000m3) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.03 | 0.17 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.03 |
| 17AUG | SE | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.03 | 0.17 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.07 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.01 |
| 28SEP | SE | 0.00 | 0.07 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 26OCT | SE | 0.00 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.02 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 09NOV | SE | 0.00 | 0.02 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.09 | 0.02 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 30NOV | SE | 0.05 | 0.02 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-22 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 26 | 0 | 0 | 0 | 4 | 50 | 0 | 0 | 11 | 0 | 0 | 91 |
| 17AUG | SE | 0 | 0 | 26 | 0 | 0 | 0 | 4 | 50 | 0 | 0 | 11 | 0 | 0 | 57 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 17 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 32 |
| 28SEP | SE | 0 | 17 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 20 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 12OCT | SE | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 26OCT | SE | 0 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 09NOV | SE | 0 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 19 | 4 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| 30NOV | SE | 10 | 4 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-23 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.07 | 0.05 | 0.08 | 0.03 |
| 15JUN | SE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.07 | 0.05 | 0.08 | 0.20 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 1.40 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| 27JUL | SE | 1.40 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 18OCT | SE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-24 REGIONAL STANDING CROP (IN THOUSANDS) OF STRIPED BASS OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 9 |
| 15JUN | SE | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 27JUL | SE | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 18OCT | SE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-25 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.03 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.41 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.40 | 10.13 | 3.40 | 1.09 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.40 | 5.05 | 2.05 | 5.47 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 0.37 | 101.34 | 6.24 | 33.93 | 0.00 | 24.68 | 249.10 | 32.06 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 0.22 | 100.27 | 4.01 | 18.48 | 0.00 | 8.91 | 87.83 | 134.93 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 1.02 | 3.53 | 0.60 | 71.61 | 15.42 | 1529.80 | 577.52 | 169.20 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.51 | 1.73 | 0.60 | 39.23 | 5.43 | 189.98 | 336.57 | 388.52 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.84 | 0.00 | 0.73 | 1.22 | 5.45 | 211.68 | 6.50 | 14.27 | 0.38 | 1.97 | 2.22 | 304.02 | 2377.96 | 225.17 |
| 19MAY | SE | 0.28 | 0.00 | 0.73 | 1.22 | 2.67 | 210.99 | 4.27 | 8.93 | 0.38 | 1.97 | 1.73 | 138.70 | 754.05 | 795.28 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.31 | 0.99 | 0.22 | 1.24 | 7.74 | 216.68 | 1068.98 | 652.26 | 149.91 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.31 | 0.58 | 0.22 | 0.75 | 3.70 | 182.25 | 149.59 | 338.73 | 412.73 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 10.34 | 4.28 | 6.68 | 27.19 | 69.19 | 39.39 | 350.98 | 1389.24 | 146.01 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 4.70 | 2.32 | 3.41 | 12.12 | 18.66 | 22.98 | 134.74 | 820.07 | 831.71 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-25 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 3.30 | 1.57 | 0.93 | 7.35 | 87.08 | 179.30 | 318.54 | 46.17 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 2.17 | 1.27 | 0.51 | 3.60 | 56.16 | 150.88 | 146.52 | 217.73 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 11.79 | 0.00 | 10.56 | 45.99 | 186.99 | 19.67 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 7.71 | 0.00 | 7.56 | 13.73 | 126.92 | 128.12 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 2.74 | 0.27 | 19.84 | 0.39 | 1.80 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 1.72 | 0.27 | 17.03 | 0.39 | 17.12 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.84 | 1.07 | 0.00 | 0.37 | 0.19 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.63 | 0.85 | 0.00 | 0.37 | 1.13 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-26 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 29 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 29 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 70 | 1627 | 242 | 1982 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 70 | 811 | 146 | 828 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 229 | 52 | 30212 | 1033 | 4800 | 0 | 3966 | 17723 | 58016 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 183 | 30 | 29893 | 664 | 2614 | 0 | 1433 | 6249 | 30692 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 22 | 0 | 0 | 143 | 1051 | 100 | 10131 | 2718 | 245887 | 41090 | 301142 |
| 12MAY | SE | 0 | 0 | 0 | 22 | 0 | 0 | 72 | 517 | 100 | 5550 | 957 | 30535 | 23947 | 39216 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 175 | 0 | 234 | 181 | 1136 | 43915 | 908 | 4255 | 62 | 278 | 391 | 48866 | 169189 | 269592 |
| 19MAY | SE | 59 | 0 | 234 | 181 | 555 | 43771 | 597 | 2663 | 62 | 278 | 304 | 22293 | 53650 | 72796 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 0 | 0 | 0 | 91 | 64 | 139 | 67 | 204 | 1095 | 38200 | 171820 | 46408 | 258088 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 69 | 64 | 81 | 67 | 123 | 523 | 32130 | 24043 | 24100 | 46814 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 0 | 0 | 0 | 0 | 166 | 2145 | 598 | 1991 | 4499 | 9789 | 6945 | 56413 | 98843 | 181389 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 166 | 976 | 324 | 1017 | 2005 | 2640 | 4051 | 21657 | 58348 | 62474 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-26 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 456 | 461 | 468 | 154 | 1040 | 15352 | 28819 | 22664 | 69414 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 189 | 303 | 379 | 85 | 510 | 9900 | 24251 | 10425 | 28201 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 1951 | 0 | 1861 | 7391 | 13304 | 24581 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 1277 | 0 | 1334 | 2207 | 9030 | 9478 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 387 | 48 | 3190 | 28 | 3672 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 243 | 48 | 2737 | 28 | 2748 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 119 | 188 | 0 | 26 | 369 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 90 | 149 | 0 | 26 | 178 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-27 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.30 | 0.00 | 0.67 | 0.13 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.30 | 0.00 | 0.67 | 0.99 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 1.72 | 4.03 | 6.10 | 10.48 | 46.28 | 30.06 | 58.78 | 70.49 | 271.85 | 647.34 | 1221.30 | 182.19 |
| 12MAY | SE | 0.00 | 0.00 | 0.96 | 1.06 | 2.35 | 4.85 | 14.36 | 6.14 | 12.24 | 17.97 | 51.65 | 185.54 | 140.76 | 240.11 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.42 | 0.73 | 5.90 | 21.21 | 36.91 | 72.95 | 253.85 | 207.74 | 119.88 | 44.18 | 73.03 | 74.97 | 3.50 | 70.41 |
| 19MAY | SE | 0.42 | 0.42 | 1.80 | 8.05 | 14.11 | 56.44 | 98.50 | 133.11 | 52.99 | 32.60 | 46.79 | 33.57 | 1.72 | 195.10 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 3.38 | 12.90 | 2.52 | 10.09 | 18.96 | 21.13 | 34.65 | 304.22 | 240.88 | 94.21 | 144.85 | 68.29 |
| 26MAY | SE | 0.00 | 0.00 | 2.23 | 4.45 | 1.09 | 5.66 | 5.16 | 7.96 | 5.01 | 79.23 | 42.57 | 22.88 | 23.07 | 96.53 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 1.06 | 1.03 | 2.55 | 2.89 | 8.85 | 33.26 | 137.17 | 260.98 | 262.44 | 200.56 | 70.06 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 1.06 | 0.78 | 1.97 | 0.86 | 3.47 | 8.07 | 42.32 | 113.81 | 67.03 | 60.04 | 151.41 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-27 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 4.25 | 6.14 | 16.40 | 69.29 | 74.31 | 116.02 | 209.33 | 363.91 | 649.12 | 116.06 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 3.23 | 5.12 | 28.26 | 18.84 | 52.87 | 34.25 | 128.84 | 171.60 | 226.29 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 3.92 | 1.77 | 2.81 | 0.97 | 3.07 | 1.82 | 5.50 | 6.14 | 14.23 | 136.87 | 422.97 | 46.16 |
| 15JUN | SE | 0.00 | 0.00 | 0.93 | 0.97 | 1.90 | 0.97 | 1.05 | 1.03 | 2.88 | 2.13 | 6.05 | 57.71 | 112.89 | 127.02 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 1.10 | 3.20 | 0.00 | 1.99 | 7.69 | 1.61 | 42.75 | 11.89 | 5.42 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.78 | 1.61 | 0.00 | 1.03 | 3.67 | 1.61 | 13.35 | 9.53 | 17.02 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 0.52 | 0.16 | 0.00 | 2.69 | 0.30 | 0.47 | 1.26 | 0.47 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.10 | 0.16 | 0.00 | 1.67 | 0.30 | 0.47 | 0.91 | 2.06 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-28 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 27APR | SE | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 0 | 53 | 0 | 48 | 209 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 0 | 53 | 0 | 48 | 130 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 552 | 595 | 1272 | 2174 | 6470 | 8961 | 9727 | 9972 | 47925 | 104048 | 86894 | 278591 |
| 12MAY | SE | 0 | 0 | 308 | 157 | 490 | 1006 | 2007 | 1830 | 2025 | 2542 | 9106 | 29822 | 10015 | 33044 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 87 | 168 | 1899 | 3134 | 7689 | 15134 | 35486 | 61934 | 19839 | 6251 | 12874 | 12050 | 249 | 176793 |
| 19MAY | SE | 87 | 97 | 580 | 1190 | 2940 | 11710 | 13770 | 39685 | 8768 | 4612 | 8249 | 5396 | 123 | 45906 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 1089 | 1906 | 524 | 2093 | 2650 | 6300 | 5733 | 43038 | 42465 | 15142 | 10306 | 131247 |
| 26MAY | SE | 0 | 0 | 719 | 657 | 227 | 1175 | 722 | 2374 | 829 | 11209 | 7504 | 3677 | 1642 | 14401 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 157 | 216 | 529 | 404 | 2639 | 5505 | 19406 | 46010 | 42183 | 14269 | 131317 |
| 02JUN | SE | 0 | 0 | 0 | 157 | 162 | 409 | 120 | 1033 | 1336 | 5987 | 20065 | 10774 | 4272 | 23997 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-28 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 886 | 1274 | 2293 | 20657 | 12297 | 16413 | 36904 | 58492 | 46184 | 195401 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 375 | 669 | 715 | 8427 | 3118 | 7480 | 6039 | 20708 | 12209 | 27425 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 1260 | 262 | 585 | 201 | 430 | 544 | 910 | 868 | 2509 | 22000 | 30094 | 59663 |
| 15JUN | SE | 0 | 0 | 300 | 143 | 395 | 201 | 146 | 306 | 476 | 301 | 1066 | 9276 | 8032 | 12347 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 47 | 227 | 447 | 0 | 330 | 1088 | 284 | 6871 | 846 | 10140 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 25 | 162 | 226 | 0 | 171 | 520 | 284 | 2146 | 678 | 2350 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 149 | 73 | 47 | 0 | 381 | 53 | 75 | 90 | 867 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 109 | 14 | 47 | 0 | 237 | 53 | 75 | 65 | 288 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-29 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.71 | 0.16 | 1.45 | 0.41 | 0.00 | 3.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.35 | 0.16 | 1.33 | 0.36 | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 1.82 | 2.24 | 31.16 | 161.79 | 1052.93 | 2652.75 | 2681.74 | 2760.43 | 583.24 | 65.52 | 13.55 | 0.43 | 0.56 | 769.86 |
| 19MAY | SE | 1.15 | 0.97 | 6.21 | 45.86 | 427.70 | 950.42 | 489.81 | 186.23 | 197.06 | 29.46 | 7.96 | 0.43 | 0.56 | 1184.37 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 7.97 | 1078.99 | 1868.13 | 2585.49 | 3384.86 | 436.61 | 1474.76 | 364.24 | 51.81 | 76.55 | 0.22 | 0.84 | 0.00 | 871.58 |
| 26MAY | SE | 3.69 | 467.17 | 198.46 | 279.43 | 830.69 | 136.10 | 379.01 | 245.24 | 14.28 | 23.68 | 0.22 | 0.60 | 0.00 | 1117.52 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 15.35 | 5627.49 | 2461.30 | 770.54 | 770.11 | 417.64 | 125.21 | 649.52 | 691.54 | 573.58 | 130.33 | 54.69 | 0.00 | 945.18 |
| 02JUN | SE | 5.20 | 3529.36 | 2258.24 | 241.42 | 188.12 | 213.98 | 28.67 | 280.80 | 383.70 | 141.33 | 67.95 | 45.27 | 0.00 | 4236.63 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-29 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 6.08 | 1.63 | 226.73 | 451.26 | 348.88 | 428.83 | 2865.34 | 2384.16 | 731.14 | 811.04 | 3625.05 | 902.04 | 15.26 | 984.42 |
| 08JUN | SE | 6.08 | 0.80 | 48.40 | 116.72 | 77.80 | 88.87 | 520.15 | 926.54 | 168.36 | 242.19 | 1034.25 | 395.47 | 1.16 | 1572.28 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 5.97 | 32.71 | 152.50 | 149.44 | 166.86 | 306.47 | 278.99 | 519.71 | 147.78 | 11.75 | 4.99 | 0.84 | 0.55 | 136.81 |
| 15JUN | SE | 3.01 | 18.81 | 32.23 | 53.00 | 47.42 | 118.54 | 56.60 | 253.38 | 61.71 | 9.15 | 0.89 | 0.42 | 0.55 | 303.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 22.93 | 12.67 | 115.10 | 50.07 | 163.74 | 51.89 | 125.33 | 107.11 | 52.38 | 301.30 | 56.37 | 135.61 | 0.00 | 91.88 |
| 22JUN | SE | 15.56 | 6.58 | 33.77 | 8.73 | 61.89 | 15.36 | 20.99 | 99.94 | 14.53 | 181.37 | 44.93 | 60.89 | 0.00 | 234.15 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 1.11 | 17.96 | 56.05 | 140.28 | 25.51 | 39.97 | 24.26 | 131.41 | 425.44 | 65.60 | 370.54 | 14.63 | 100.98 |
| 29JUN | SE | 0.00 | 0.82 | 7.10 | 19.69 | 73.39 | 11.57 | 8.53 | 15.24 | 45.67 | 57.44 | 21.76 | 120.57 | 6.82 | 163.42 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 5.65 | 22.09 | 6.23 | 27.87 | 141.62 | NS | NS | NS | NS | NS | 25.43 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 2.03 | 7.68 | 1.60 | 9.03 | 51.51 | | | | | | 52.92 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.68 | 9.14 | 10.38 | 14.53 | 27.41 | 12.73 | NS | NS | NS | NS | NS | 9.36 |
| 27JUL | SE | 0.00 | 0.00 | 0.41 | 2.86 | 3.16 | 8.47 | 14.43 | 4.76 | | | | | | 17.92 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 1.00 | 0.82 | 0.22 | NS | NS | NS | NS | NS | 0.40 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 1.00 | 0.02 | 0.22 | | | | | | 1.15 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | NS | NS | NS | NS | NS | 0.01 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | | | | | | 0.04 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-30 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 105 | 32 | 302 | 57 | 0 | 531 | 0 | 0 | 0 | 0 | 1027 |
| 12MAY | SE | 0 | 0 | 0 | 52 | 32 | 276 | 50 | 0 | 482 | 0 | 0 | 0 | 0 | 561 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 380 | 513 | 10028 | 23902 | 219363 | 550329 | 374884 | 822976 | 96517 | 9269 | 2389 | 68 | 40 | 2110657 |
| 19MAY | SE | 241 | 223 | 1999 | 6775 | 89106 | 197169 | 68471 | 55522 | 32610 | 4167 | 1403 | 68 | 40 | 236050 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 1666 | 247543 | 601186 | 381972 | 705188 | 90578 | 206159 | 108593 | 8573 | 10830 | 38 | 135 | 0 | 2362461 |
| 26MAY | SE | 772 | 107178 | 63868 | 41282 | 173062 | 28235 | 52982 | 73114 | 2363 | 3351 | 38 | 96 | 0 | 237041 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 3208 | 1291061 | 792075 | 113837 | 160441 | 86641 | 17504 | 193643 | 114440 | 81145 | 22976 | 8791 | 0 | 2885760 |
| 02JUN | SE | 1088 | 809707 | 726728 | 35667 | 39193 | 44392 | 4008 | 83717 | 63496 | 19994 | 11980 | 7276 | 0 | 1095532 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-30 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 1270 | 374 | 72964 | 66668 | 72684 | 88963 | 400549 | 710798 | 120992 | 114738 | 639081 | 144986 | 1086 | 2435153 |
| 08JUN | SE | 1270 | 184 | 15576 | 17245 | 16208 | 18436 | 72713 | 276232 | 27862 | 34263 | 182333 | 63565 | 83 | 349244 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 1247 | 7504 | 49075 | 22078 | 34763 | 63580 | 39000 | 154942 | 24456 | 1662 | 880 | 135 | 39 | 399362 |
| 15JUN | SE | 630 | 4315 | 10371 | 7830 | 9880 | 24593 | 7912 | 75542 | 10212 | 1295 | 156 | 68 | 39 | 82253 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 4793 | 2907 | 37042 | 7397 | 34113 | 10766 | 17520 | 31934 | 8667 | 42624 | 9938 | 21796 | 0 | 229497 |
| 22JUN | SE | 3252 | 1510 | 10867 | 1290 | 12894 | 3187 | 2935 | 29795 | 2405 | 25658 | 7920 | 9787 | 0 | 45033 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 255 | 5781 | 8280 | 29226 | 5292 | 5587 | 7232 | 21747 | 60187 | 11565 | 59557 | 1041 | 215751 |
| 29JUN | SE | 0 | 188 | 2286 | 2909 | 15291 | 2401 | 1193 | 4542 | 7558 | 8126 | 3836 | 19379 | 485 | 28089 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 835 | 4602 | 1292 | 3896 | 42222 | NS | NS | NS | NS | NS | 52847 |
| 13JUL | SE | 0 | 0 | 0 | 300 | 1600 | 332 | 1263 | 15358 | | | | | | 15499 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 217 | 1350 | 2162 | 3015 | 3832 | 3795 | NS | NS | NS | NS | NS | 14370 |
| 27JUL | SE | 0 | 0 | 132 | 423 | 658 | 1758 | 2017 | 1420 | | | | | | 3131 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 177 | 0 | 208 | 114 | 66 | NS | NS | NS | NS | NS | 565 |
| 10AUG | SE | 0 | 0 | 0 | 75 | 0 | 208 | 3 | 66 | | | | | | 231 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | NS | NS | NS | NS | NS | 6 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | | | | | | 6 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-31 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-31 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | NS | NS | NS | NS | NS | 0.01 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | | | | | | 0.04 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.15 | 0.34 | 0.74 | 2.03 | 5.89 | 0.94 | NS | NS | NS | NS | NS | 1.26 |
| 27JUL | SE | 0.00 | 0.00 | 0.15 | 0.20 | 0.55 | 1.45 | 4.68 | 0.94 | | | | | | 5.02 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.16 | 0.03 | 0.00 | 0.56 | 1.56 | NS | NS | NS | NS | NS | 0.29 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.16 | 0.03 | 0.00 | 0.56 | 0.67 | | | | | | 0.89 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.02 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | | | | | | 0.13 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | NS | NS | NS | NS | NS | 0.09 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | | | | | | 0.59 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-32 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-32 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | NS | NS | NS | NS | NS | 6 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | | | | | | 6 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 47 | 50 | 155 | 421 | 823 | 280 | NS | NS | NS | NS | NS | 1776 |
| 27JUL | SE | 0 | 0 | 47 | 29 | 115 | 300 | 654 | 280 | | | | | | 783 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 23 | 7 | 0 | 79 | 464 | NS | NS | NS | NS | NS | 572 |
| 10AUG | SE | 0 | 0 | 0 | 23 | 7 | 0 | 79 | 200 | | | | | | 216 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 26 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | | | | | | 26 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | NS | NS | NS | NS | NS | 100 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 0 | | | | | | 83 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-33 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.16 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | 1.27 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 1.17 | 0.58 | 0.00 | 0.01 | 9.61 | 0.88 | 0.32 | 0.36 | 0.20 | 0.00 | 1.01 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.48 | 0.37 | 0.00 | 0.01 | 5.93 | 0.55 | 0.25 | 0.36 | 0.20 | 0.00 | 6.01 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.42 | 0.37 | 0.51 | 0.00 | 0.76 | 0.10 | 0.00 | 0.17 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.20 | 0.20 | 0.34 | 0.00 | 0.76 | 0.10 | 0.00 | 0.89 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.01 | 0.40 | 0.18 | 2.53 | 0.31 | 0.72 | 0.00 | 0.00 | 0.33 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.01 | 0.27 | 0.08 | 1.22 | 0.25 | 0.72 | 0.00 | 0.00 | 1.46 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.74 | 0.03 | 1.14 | 0.55 | 0.06 | 0.10 | 0.00 | 0.22 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.39 | 0.03 | 0.38 | 0.28 | 0.06 | 0.10 | 0.00 | 0.65 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.10 | 0.75 | 0.36 | 0.18 | 0.00 | 0.00 | 0.11 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.37 | 0.20 | 0.12 | 0.00 | 0.00 | 0.44 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.76 | 0.62 | 0.98 | 0.23 | 0.24 | 0.00 | 0.00 | 0.24 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.38 | 0.34 | 0.34 | 0.09 | 0.24 | 0.00 | 0.00 | 0.68 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 | 0.00 | 0.08 | 0.08 | 0.10 | 0.87 | 0.00 | 0.00 | 0.09 | 0.10 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.07 | 0.04 | 0.71 | 0.00 | 0.00 | 0.09 | 0.72 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.04 | 0.03 | 0.65 | 0.08 | 0.08 | 0.00 | 0.10 | 0.08 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 | 0.03 | 0.19 | 0.04 | 0.06 | 0.00 | 0.07 | 0.22 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 1.16 | 0.29 | 1.07 | 0.45 | 0.03 | 0.00 | 0.00 | 0.23 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.55 | 0.12 | 0.32 | 0.16 | 0.03 | 0.00 | 0.00 | 0.67 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.68 | 0.22 | 1.41 | 0.40 | 0.06 | 0.18 | 0.00 | 0.00 | 0.00 | 0.23 |
| 30NOV | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.39 | 0.07 | 0.31 | 0.17 | 0.04 | 0.08 | 0.00 | 0.00 | 0.00 | 0.55 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-34 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 149 | 0 | 0 | 0 | 268 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 149 | 0 | 0 | 0 | 179 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 173 | 121 | 0 | 1 | 2864 | 146 | 46 | 63 | 33 | 0 | 3448 |
| 20JUL | SE | 0 | 0 | 0 | 71 | 78 | 0 | 1 | 1768 | 90 | 36 | 63 | 33 | 0 | 1776 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 4 | 0 | 0 | 59 | 112 | 84 | 0 | 135 | 16 | 0 | 409 |
| 03AUG | SE | 0 | 0 | 0 | 4 | 0 | 0 | 28 | 59 | 56 | 0 | 135 | 16 | 0 | 161 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 5 | 13 | 2 | 56 | 55 | 419 | 45 | 127 | 0 | 0 | 721 |
| 17AUG | SE | 0 | 0 | 0 | 5 | 6 | 2 | 38 | 23 | 201 | 35 | 127 | 0 | 0 | 245 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 3 | 37 | 104 | 9 | 189 | 78 | 10 | 16 | 0 | 445 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 3 | 37 | 54 | 9 | 63 | 39 | 10 | 16 | 0 | 101 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 29 | 125 | 50 | 33 | 0 | 0 | 247 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 62 | 29 | 21 | 0 | 0 | 73 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 52 | 106 | 184 | 163 | 33 | 43 | 0 | 0 | 582 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 35 | 52 | 102 | 55 | 13 | 43 | 0 | 0 | 140 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 5 | 12 | 0 | 12 | 24 | 16 | 123 | 0 | 0 | 6 | 199 |
| 12OCT | SE | 0 | 0 | 0 | 5 | 8 | 0 | 6 | 20 | 7 | 100 | 0 | 0 | 6 | 103 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 10 | 107 | 12 | 15 | 0 | 7 | 159 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 10 | 32 | 6 | 10 | 0 | 5 | 36 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 2 | 3 | 162 | 87 | 177 | 63 | 5 | 0 | 0 | 499 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 2 | 2 | 76 | 35 | 54 | 23 | 5 | 0 | 0 | 102 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 7 | 0 | 142 | 46 | 197 | 119 | 11 | 26 | 0 | 0 | 0 | 548 |
| 30NOV | SE | 0 | 0 | 7 | 0 | 82 | 14 | 44 | 52 | 7 | 12 | 0 | 0 | 0 | 109 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-35 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 1.82 | 0.43 | 1.33 | 1.00 | 3.33 | 0.63 | 0.00 | 0.00 | 0.27 | 0.11 | 0.17 | 0.76 |
| 12JUL | SE | 0.00 | 1.02 | 0.30 | 0.88 | 0.00 | 3.33 | 0.63 | 0.00 | 0.00 | 0.15 | 0.07 | 0.11 | 3.67 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.67 | 0.93 | 3.40 | 0.00 | 0.00 | 0.00 | 0.20 | 1.20 | 2.44 | 1.80 | 0.00 | 0.89 |
| 27JUL | SE | 0.00 | 0.58 | 0.85 | 3.40 | 0.00 | 0.00 | 0.00 | 0.20 | 0.80 | 0.77 | 1.39 | 0.00 | 3.98 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.79 | 3.57 | 3.60 | 2.40 | 0.00 | 0.40 | 0.40 | 0.60 | 2.44 | 2.20 | 2.43 | 1.57 |
| 10AUG | SE | 0.00 | 0.41 | 3.50 | 2.06 | 1.12 | 0.00 | 0.40 | 0.40 | 0.24 | 0.97 | 1.76 | 1.80 | 5.06 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 1.63 | 4.14 | 5.20 | 3.60 | 0.17 | 0.00 | 0.00 | 0.40 | 10.11 | 6.00 | 0.00 | 2.60 |
| 23AUG | SE | 0.00 | 0.94 | 2.59 | 3.34 | 1.69 | 0.17 | 0.00 | 0.00 | 0.40 | 2.65 | 3.55 | 0.00 | 6.43 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.50 | 5.64 | 0.20 | 0.20 | 0.00 | 1.40 | 1.60 | 0.00 | 4.33 | 8.40 | 0.00 | 1.86 |
| 07SEP | SE | 0.00 | 0.22 | 3.70 | 0.20 | 0.20 | 0.00 | 1.40 | 0.93 | 0.00 | 2.09 | 6.69 | 0.00 | 8.11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.38 | 1.07 | 0.20 | 1.40 | 0.17 | 0.00 | 0.20 | 0.20 | 3.22 | 6.20 | 0.00 | 1.09 |
| 20SEP | SE | 0.00 | 0.27 | 0.44 | 0.20 | 0.75 | 0.17 | 0.00 | 0.20 | 0.20 | 2.15 | 3.73 | 0.00 | 4.41 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.04 | 1.43 | 4.20 | 2.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.11 | 1.50 | 0.00 | 0.81 |
| 05OCT | SE | 0.00 | 0.04 | 1.35 | 3.47 | 1.05 | 0.00 | 0.20 | 0.20 | 0.00 | 0.11 | 1.10 | 0.00 | 4.03 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 20.60 | 0.80 | 0.00 | 0.00 | 0.20 | 0.00 | 0.67 | 0.10 | 0.00 | 1.86 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 20.35 | 0.80 | 0.00 | 0.00 | 0.20 | 0.00 | 0.29 | 0.10 | 0.00 | 20.37 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-36 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 83 | 12 | 12 | 3 | 36 | 4 | 0 | 0 | 5 | 2 | 2 | 158 |
| 12JUL | SE | 0 | 46 | 8 | 8 | 0 | 36 | 4 | 0 | 0 | 3 | 1 | 2 | 60 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 30 | 25 | 31 | 0 | 0 | 0 | < 0.5 | 10 | 43 | 35 | 0 | 176 |
| 27JUL | SE | 0 | 26 | 23 | 31 | 0 | 0 | 0 | < 0.5 | 7 | 13 | 27 | 0 | 56 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 36 | 96 | 33 | 6 | 0 | 3 | < 0.5 | 5 | 43 | 43 | 33 | 299 |
| 10AUG | SE | 0 | 19 | 94 | 19 | 3 | 0 | 3 | < 0.5 | 2 | 17 | 35 | 24 | 108 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 74 | 111 | 48 | 9 | 2 | 0 | 0 | 3 | 178 | 118 | 0 | 543 |
| 23AUG | SE | 0 | 43 | 70 | 31 | 4 | 2 | 0 | 0 | 3 | 47 | 70 | 0 | 121 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 23 | 152 | 2 | 1 | 0 | 10 | 2 | 0 | 76 | 165 | 0 | 430 |
| 07SEP | SE | 0 | 10 | 100 | 2 | 1 | 0 | 10 | 1 | 0 | 37 | 132 | 0 | 170 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 17 | 29 | 2 | 4 | 2 | 0 | < 0.5 | 2 | 57 | 122 | 0 | 234 |
| 20SEP | SE | 0 | 12 | 12 | 2 | 2 | 2 | 0 | < 0.5 | 2 | 38 | 73 | 0 | 84 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 2 | 38 | 39 | 5 | 0 | 1 | < 0.5 | 0 | 2 | 30 | 0 | 117 |
| 05OCT | SE | 0 | 2 | 36 | 32 | 3 | 0 | 1 | < 0.5 | 0 | 2 | 22 | 0 | 53 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 190 | 2 | 0 | 0 | < 0.5 | 0 | 12 | 2 | 0 | 206 |
| 18OCT | SE | 0 | 0 | 0 | 188 | 2 | 0 | 0 | < 0.5 | 0 | 5 | 2 | 0 | 188 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-37 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.18 | 0.27 | 2.28 | 2.49 | 0.04 | 1.13 | 1.13 | NS | NS | NS | NS | NS | NS | 1.08 |
| 22MAR | SE | 0.18 | 0.27 | 1.48 | 2.25 | 0.04 | 1.13 | 0.89 | | | | | | | 3.07 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.96 | 0.00 | 3.10 | 0.84 | 0.57 | 0.76 | 1.42 | NS | NS | NS | NS | NS | NS | 1.09 |
| 29MAR | SE | 0.59 | 0.00 | 3.10 | 0.84 | 0.52 | 0.76 | 1.03 | | | | | | | 3.54 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 1.94 | 5.86 | 4.21 | 4.99 | 1.55 | 0.53 | 0.24 | 2.21 | 0.77 | 0.58 | 0.00 | 0.00 | 1.76 |
| 06APR | SE | 0.00 | 1.35 | 2.29 | 2.11 | 2.98 | 0.70 | 0.53 | 0.24 | 0.21 | 0.77 | 0.58 | 0.00 | 0.00 | 4.71 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.92 | 0.62 | 1.63 | 0.43 | 6.20 | 1.75 | 10.20 | 7.26 | 0.74 | 0.00 | 0.26 | 0.00 | 0.00 | 2.31 |
| 13APR | SE | 0.92 | 0.62 | 1.63 | 0.31 | 4.65 | 0.89 | 5.24 | 3.55 | 0.74 | 0.00 | 0.26 | 0.00 | 0.00 | 8.18 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.38 | 0.19 | 6.29 | 1.00 | 0.33 | 0.08 | 0.27 | 0.88 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 |
| 20APR | SE | 0.22 | 0.19 | 5.92 | 0.34 | 0.11 | 0.08 | 0.27 | 0.88 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 6.32 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 1.33 | 0.19 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 0.13 | 0.00 | 0.47 | 0.00 | 0.00 | 0.28 |
| 27APR | SE | 1.33 | 0.19 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.13 | 0.00 | 0.47 | 0.00 | 0.00 | 1.55 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.56 | 1.87 | 0.47 | 0.71 | 0.79 | 0.00 | 0.24 | 1.01 | 0.73 | 0.00 | 0.00 | 0.49 |
| 12MAY | SE | 0.00 | 0.00 | 0.40 | 0.67 | 0.01 | 0.71 | 0.33 | 0.00 | 0.24 | 0.58 | 0.36 | 0.00 | 0.00 | 1.32 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.36 | 0.14 | 0.00 | 0.73 | 0.10 | 0.00 | 0.22 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.15 |
| 19MAY | SE | 0.00 | 0.36 | 0.14 | 0.00 | 0.59 | 0.10 | 0.00 | 0.14 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.83 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.07 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.53 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.29 | 5.99 | 5.71 | 0.00 | 0.07 | 0.24 | 0.00 | 1.76 | 1.99 | 1.46 | 0.00 | 1.35 |
| 02JUN | SE | 0.00 | 0.00 | 0.29 | 1.90 | 1.80 | 0.00 | 0.04 | 0.15 | 0.00 | 1.19 | 1.35 | 0.84 | 0.00 | 3.30 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-37 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 3.35 | 0.97 | 0.14 | 0.20 | 0.17 | 0.25 | 2.19 | 0.60 | 0.63 | 0.00 | 0.65 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 1.46 | 0.97 | 0.14 | 0.16 | 0.17 | 0.25 | 0.82 | 0.35 | 0.63 | 0.00 | 2.10 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.49 | 0.11 | 2.05 | 5.24 | 3.35 | 0.55 | 0.93 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.16 | 0.11 | 1.13 | 1.92 | 2.66 | 0.55 | 3.53 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.72 | 0.04 | 0.50 | 0.13 | 0.16 | 0.00 | 0.46 | 0.00 | 0.00 | 0.37 | 0.18 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.72 | 0.04 | 0.50 | 0.13 | 0.16 | 0.00 | 0.46 | 0.00 | 0.00 | 0.37 | 1.07 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.74 | 0.65 | 0.00 | 0.21 | 0.16 | 0.89 | 0.00 | 0.00 | 0.89 | 0.00 | 0.27 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.74 | 0.65 | 0.00 | 0.21 | 0.16 | 0.78 | 0.00 | 0.00 | 0.63 | 0.00 | 1.43 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.15 | 0.14 | 0.00 | 0.55 | 0.00 | NS | NS | NS | NS | NS | 0.11 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.15 | 0.14 | 0.00 | 0.55 | 0.00 | | | | | | 0.59 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | NS | NS | NS | NS | NS | 0.40 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 0.00 | | | | | | 1.55 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.55 | 0.06 | 0.00 | 0.00 | 0.24 | NS | NS | NS | NS | NS | 0.11 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.55 | 0.06 | 0.00 | 0.00 | 0.24 | | | | | | 0.60 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.08 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.62 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.16 | 0.21 | 0.00 | 0.00 | 0.23 | 0.68 | NS | NS | NS | NS | NS | 0.16 |
| 21SEP | SE | 0.00 | 0.00 | 0.16 | 0.21 | 0.00 | 0.00 | 0.17 | 0.68 | | | | | | 0.74 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.60 | 0.00 | 0.50 | NS | NS | NS | NS | NS | 0.23 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.60 | 0.00 | 0.50 | | | | | | 0.95 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-38 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 38 | 63 | 735 | 368 | 9 | 233 | 157 | NS | NS | NS | NS | NS | NS | 1605 |
| 22MAR | SE | 38 | 63 | 476 | 332 | 9 | 233 | 124 | | | | | | | 642 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 202 | 0 | 997 | 124 | 118 | 158 | 199 | NS | NS | NS | NS | NS | NS | 1798 |
| 29MAR | SE | 124 | 0 | 997 | 124 | 108 | 158 | 144 | | | | | | | 1040 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 444 | 1885 | 622 | 1040 | 322 | 74 | 71 | 366 | 110 | 101 | 0 | 0 | 5035 |
| 06APR | SE | 0 | 310 | 737 | 311 | 621 | 146 | 74 | 71 | 35 | 110 | 101 | 0 | 0 | 1085 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 192 | 142 | 525 | 63 | 1291 | 363 | 1426 | 2164 | 123 | 0 | 46 | 0 | 0 | 6335 |
| 13APR | SE | 192 | 142 | 525 | 46 | 969 | 184 | 732 | 1057 | 123 | 0 | 46 | 0 | 0 | 1725 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 80 | 43 | 2025 | 148 | 69 | 17 | 38 | 263 | 325 | 0 | 0 | 0 | 0 | 3007 |
| 20APR | SE | 46 | 43 | 1905 | 50 | 23 | 17 | 38 | 263 | 325 | 0 | 0 | 0 | 0 | 1952 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 279 | 44 | 188 | 0 | 0 | 0 | 0 | 269 | 21 | 0 | 82 | 0 | 0 | 884 |
| 27APR | SE | 279 | 44 | 132 | 0 | 0 | 0 | 0 | 126 | 21 | 0 | 82 | 0 | 0 | 347 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 195 | 0 | 0 | 211 | 0 | 0 | 0 | 0 | 0 | 406 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 113 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 179 | 277 | 98 | 148 | 110 | 0 | 39 | 143 | 128 | 0 | 0 | 1121 |
| 12MAY | SE | 0 | 0 | 129 | 99 | 1 | 148 | 46 | 0 | 39 | 82 | 64 | 0 | 0 | 250 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 82 | 46 | 0 | 151 | 21 | 0 | 66 | 0 | 0 | 73 | 0 | 0 | 439 |
| 19MAY | SE | 0 | 82 | 46 | 0 | 122 | 21 | 0 | 42 | 0 | 0 | 73 | 0 | 0 | 177 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 22 | 0 | 0 | 36 | 0 | 0 | 66 | 0 | 0 | 0 | 125 |
| 26MAY | SE | 0 | 0 | 0 | 22 | 0 | 0 | 28 | 0 | 0 | 66 | 0 | 0 | 0 | 76 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 92 | 884 | 1189 | 0 | 10 | 70 | 0 | 249 | 351 | 235 | 0 | 3080 |
| 02JUN | SE | 0 | 0 | 92 | 280 | 376 | 0 | 6 | 44 | 0 | 168 | 239 | 136 | 0 | 578 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-38 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 496 | 203 | 28 | 28 | 52 | 42 | 310 | 106 | 101 | 0 | 1365 |
| 08JUN | SE | 0 | 0 | 0 | 216 | 203 | 28 | 23 | 52 | 42 | 116 | 61 | 101 | 0 | 348 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 147 | 19 | 289 | 925 | 539 | 39 | 1999 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 49 | 19 | 161 | 339 | 428 | 39 | 573 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 106 | 9 | 103 | 19 | 49 | 0 | 65 | 0 | 0 | 26 | 377 |
| 22JUN | SE | 0 | 0 | 0 | 106 | 9 | 103 | 19 | 49 | 0 | 65 | 0 | 0 | 26 | 172 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 109 | 136 | 0 | 29 | 47 | 147 | 0 | 0 | 144 | 0 | 612 |
| 29JUN | SE | 0 | 0 | 0 | 109 | 136 | 0 | 29 | 47 | 129 | 0 | 0 | 102 | 0 | 246 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 22 | 30 | 0 | 77 | 0 | NS | NS | NS | NS | NS | 129 |
| 13JUL | SE | 0 | 0 | 0 | 22 | 30 | 0 | 77 | 0 | | | | | | 86 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 452 | 0 | NS | NS | NS | NS | NS | 452 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 216 | 0 | | | | | | 216 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 81 | 13 | 0 | 0 | 72 | NS | NS | NS | NS | NS | 167 |
| 10AUG | SE | 0 | 0 | 0 | 81 | 13 | 0 | 0 | 72 | | | | | | 109 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 92 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 92 |
| 07SEP | SE | 0 | 0 | 0 | 92 | 0 | 0 | 0 | 0 | | | | | | 92 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 51 | 30 | 0 | 0 | 32 | 201 | NS | NS | NS | NS | NS | 314 |
| 21SEP | SE | 0 | 0 | 51 | 30 | 0 | 0 | 24 | 201 | | | | | | 211 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 111 | 0 | 125 | 0 | 149 | NS | NS | NS | NS | NS | 385 |
| 05OCT | SE | 0 | 0 | 0 | 81 | 0 | 125 | 0 | 149 | | | | | | 211 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-39 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.76 | 0.04 | 0.22 | 1.24 | 0.28 | 0.36 | 0.76 | 0.24 | 0.49 | 0.25 | 0.39 |
| 08JUL | SE | | 0.00 | 0.00 | 0.39 | 0.02 | 0.20 | 0.51 | 0.17 | 0.09 | 0.44 | 0.10 | 0.49 | 0.16 | 0.99 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.19 | 1.59 | 0.16 | 0.12 | 0.35 | 1.71 | 0.11 | 0.00 | 0.33 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.18 | 0.72 | 0.16 | 0.08 | 0.15 | 1.43 | 0.11 | 0.00 | 1.64 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.19 | 0.44 | 0.04 | 0.00 | 0.46 | 0.96 | 0.10 | 0.09 | 0.18 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.19 | 0.28 | 0.03 | 0.00 | 0.25 | 0.74 | 0.10 | 0.09 | 0.87 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.15 | 0.08 | 0.22 | 0.00 | 0.01 | 0.29 | 0.14 | 0.39 | 4.45 | 0.11 | 0.18 | 0.46 |
| 17AUG | SE | 0.00 | 0.00 | 0.07 | 0.05 | 0.08 | 0.00 | 0.01 | 0.18 | 0.05 | 0.32 | 4.33 | 0.11 | 0.11 | 4.35 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.07 | 0.10 | 0.31 | 0.01 | 0.08 | 0.04 | 0.11 | 0.78 | 1.66 | 0.00 | 0.00 | 0.24 |
| 31AUG | SE | 0.00 | 0.00 | 0.05 | 0.08 | 0.23 | 0.01 | 0.04 | 0.02 | 0.04 | 0.34 | 1.44 | 0.00 | 0.00 | 1.50 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.32 | 0.05 | 0.15 | 0.98 | 1.24 | 0.11 | 0.00 | 0.23 |
| 14SEP | SE | 0.00 | 0.03 | 0.04 | 0.00 | 0.00 | 0.00 | 0.19 | 0.04 | 0.09 | 0.76 | 0.80 | 0.11 | 0.00 | 1.13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.03 | 0.63 | 0.55 | 1.14 | 0.41 | 0.36 | 0.23 | 0.77 | 0.32 | 0.45 | 0.29 | 0.40 |
| 28SEP | SE | 0.00 | 0.00 | 0.03 | 0.24 | 0.28 | 0.79 | 0.18 | 0.17 | 0.10 | 0.55 | 0.06 | 0.12 | 0.19 | 1.08 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.03 | 0.05 | 0.73 | 0.31 | 0.59 | 0.02 | 0.28 | 0.04 | 0.42 | 7.37 | 0.44 | 0.44 | 0.85 | 0.89 |
| 12OCT | SE | 0.03 | 0.04 | 0.40 | 0.24 | 0.34 | 0.01 | 0.16 | 0.02 | 0.14 | 2.57 | 0.44 | 0.22 | 0.51 | 2.74 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.02 | 0.00 | 0.08 | 0.07 | 0.02 | 0.69 | 0.39 | 3.07 | 2.83 | 1.75 | 1.50 | 0.52 | 0.84 |
| 26OCT | SE | 0.00 | 0.02 | 0.00 | 0.06 | 0.04 | 0.02 | 0.21 | 0.13 | 1.12 | 0.79 | 0.69 | 0.85 | 0.28 | 1.79 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.05 | 0.05 | 0.03 | 0.14 | 0.03 | 2.32 | 1.00 | 1.86 | 1.53 | 0.34 | 0.04 | 0.04 | 0.57 |
| 09NOV | SE | 0.00 | 0.03 | 0.02 | 0.03 | 0.09 | 0.02 | 0.69 | 0.29 | 0.68 | 0.55 | 0.11 | 0.04 | 0.04 | 1.16 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.06 | 0.25 | 0.55 | 0.19 | 2.56 | 0.11 | 1.17 | 4.30 | 1.39 | 0.92 | 0.57 | 0.07 | 0.00 | 0.93 |
| 30NOV | SE | 0.03 | 0.14 | 0.15 | 0.05 | 2.08 | 0.04 | 0.13 | 1.62 | 0.64 | 0.10 | 0.16 | 0.07 | 0.00 | 2.73 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-40 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 112 | 7 | 46 | 173 | 83 | 59 | 108 | 42 | 79 | 18 | 728 |
| 08JUL | SE | . | 0 | 0 | 58 | 4 | 42 | 72 | 52 | 14 | 62 | 18 | 79 | 11 | 154 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 7 | 10 | 39 | 222 | 48 | 19 | 49 | 302 | 17 | 0 | 713 |
| 20JUL | SE | 0 | 0 | 0 | 5 | 5 | 37 | 101 | 48 | 13 | 21 | 253 | 17 | 0 | 280 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 24 | 40 | 61 | 12 | 0 | 66 | 169 | 16 | 6 | 394 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 13 | 40 | 39 | 9 | 0 | 36 | 131 | 16 | 6 | 149 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 49 | 12 | 46 | 0 | 1 | 88 | 23 | 55 | 785 | 17 | 13 | 1088 |
| 17AUG | SE | 0 | 0 | 23 | 7 | 17 | 0 | 1 | 55 | 9 | 45 | 763 | 17 | 8 | 767 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 23 | 14 | 64 | 2 | 12 | 12 | 18 | 111 | 292 | 0 | 0 | 548 |
| 31AUG | SE | 0 | 0 | 16 | 11 | 48 | 2 | 6 | 6 | 7 | 48 | 254 | 0 | 0 | 264 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 6 | 18 | 0 | 0 | 0 | 45 | 16 | 25 | 139 | 219 | 17 | 0 | 485 |
| 14SEP | SE | 0 | 6 | 13 | 0 | 0 | 0 | 26 | 11 | 15 | 107 | 141 | 17 | 0 | 181 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 9 | 94 | 115 | 237 | 57 | 107 | 38 | 110 | 56 | 72 | 21 | 915 |
| 28SEP | SE | 0 | 0 | 9 | 35 | 59 | 163 | 25 | 50 | 17 | 77 | 10 | 19 | 13 | 203 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 7 | 13 | 234 | 46 | 124 | 5 | 39 | 13 | 70 | 1043 | 78 | 71 | 60 | 1801 |
| 12OCT | SE | 7 | 8 | 128 | 35 | 71 | 3 | 22 | 7 | 24 | 364 | 78 | 35 | 36 | 406 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 4 | 0 | 12 | 15 | 5 | 97 | 118 | 507 | 400 | 308 | 241 | 37 | 1745 |
| 26OCT | SE | 0 | 4 | 0 | 9 | 9 | 4 | 30 | 40 | 185 | 111 | 121 | 137 | 20 | 288 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 11 | 16 | 4 | 29 | 6 | 324 | 297 | 309 | 216 | 60 | 6 | 3 | 1280 |
| 09NOV | SE | 0 | 8 | 8 | 4 | 19 | 3 | 96 | 85 | 113 | 79 | 20 | 6 | 3 | 191 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 13 | 58 | 176 | 28 | 533 | 22 | 163 | 1283 | 230 | 130 | 101 | 11 | 0 | 2748 |
| 30NOV | SE | 7 | 33 | 49 | 7 | 433 | 8 | 18 | 483 | 105 | 15 | 29 | 11 | 0 | 661 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-41 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 2.45 | 5.71 | 4.33 | 13.33 | 6.00 | 2.38 | 10.25 | 26.75 | 6.27 | 2.37 | 2.00 | 6.82 |
| 15JUN | SE | 0.00 | 0.69 | 3.26 | 2.33 | 5.78 | 2.52 | 0.84 | 1.50 | 11.78 | 1.65 | 0.55 | 1.06 | 14.22 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 4.00 | 3.00 | 13.00 | 11.67 | 2.33 | 6.00 | 1.75 | 0.50 | 5.00 | 1.63 | 0.58 | 4.12 |
| 28JUN | SE | 0.00 | 0.94 | 1.33 | 10.15 | 11.17 | 2.33 | 2.04 | 1.35 | 0.38 | 1.28 | 0.57 | 0.19 | 15.62 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 3.64 | 9.29 | 50.67 | 7.67 | 12.00 | 4.13 | 2.88 | 2.00 | 11.20 | 1.68 | 0.58 | 8.81 |
| 12JUL | SE | 0.00 | 1.65 | 5.75 | 38.30 | 5.36 | 6.66 | 2.18 | 1.41 | 1.02 | 2.15 | 0.44 | 0.50 | 39.86 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 5.96 | 2.79 | 9.80 | 0.80 | 3.50 | 0.20 | 3.00 | 3.40 | 7.22 | 7.80 | 0.29 | 3.73 |
| 27JUL | SE | 0.00 | 1.66 | 1.33 | 5.56 | 0.49 | 1.61 | 0.20 | 1.90 | 0.93 | 1.55 | 2.77 | 0.18 | 7.27 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 6.75 | 17.00 | 5.20 | 3.60 | 1.50 | 0.20 | 1.60 | 6.20 | 2.56 | 3.00 | 1.57 | 4.10 |
| 10AUG | SE | 0.00 | 2.13 | 6.14 | 2.27 | 2.64 | 0.67 | 0.20 | 0.93 | 3.26 | 1.25 | 1.15 | 1.07 | 8.39 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.40 | 1.33 | 1.43 | 5.80 | 2.00 | 0.67 | 0.80 | 0.40 | 5.00 | 8.78 | 1.50 | 0.00 | 2.34 |
| 23AUG | SE | 0.40 | 0.42 | 0.66 | 1.91 | 2.00 | 0.67 | 0.58 | 0.24 | 4.07 | 2.79 | 0.70 | 0.00 | 5.84 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.40 | 0.79 | 0.21 | 0.00 | 0.40 | 0.17 | 0.20 | 0.00 | 0.00 | 0.67 | 0.50 | 0.00 | 0.28 |
| 07SEP | SE | 0.24 | 0.26 | 0.15 | 0.00 | 0.24 | 0.17 | 0.20 | 0.00 | 0.00 | 0.37 | 0.50 | 0.00 | 0.82 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.20 | 0.71 | 1.71 | 0.20 | 4.80 | 1.00 | 0.00 | 0.00 | 0.00 | 2.33 | 2.90 | 0.00 | 1.15 |
| 20SEP | SE | 0.20 | 0.33 | 1.27 | 0.20 | 3.58 | 0.52 | 0.00 | 0.00 | 0.00 | 1.20 | 1.25 | 0.00 | 4.23 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.20 | 0.17 | 0.00 | 0.80 | 1.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.78 | 0.70 | 0.00 | 0.33 |
| 05OCT | SE | 0.20 | 0.10 | 0.00 | 0.49 | 0.63 | 0.33 | 0.00 | 0.00 | 0.00 | 0.40 | 0.60 | 0.00 | 1.15 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.33 | 0.20 | 0.20 | 0.00 | 0.78 | 0.70 | 0.00 | 0.22 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.33 | 0.20 | 0.20 | 0.00 | 0.66 | 0.33 | 0.00 | 0.91 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-42 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 112 | 154 | 40 | 35 | 64 | 17 | 13 | 230 | 110 | 47 | 27 | 848 |
| 15JUN | SE | 0 | 31 | 88 | 22 | 15 | 27 | 6 | 2 | 101 | 29 | 11 | 14 | 147 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 182 | 81 | 120 | 31 | 25 | 43 | 2 | 4 | 88 | 32 | 8 | 615 |
| 28JUN | SE | 0 | 43 | 36 | 94 | 29 | 25 | 15 | 2 | 3 | 22 | 11 | 3 | 119 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 165 | 250 | 467 | 20 | 128 | 29 | 4 | 17 | 197 | 33 | 8 | 1318 |
| 12JUL | SE | 0 | 75 | 155 | 353 | 14 | 71 | 15 | 2 | 9 | 38 | 9 | 7 | 401 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 271 | 75 | 90 | 2 | 37 | 1 | 4 | 29 | 127 | 153 | 4 | 794 |
| 27JUL | SE | 0 | 75 | 36 | 51 | 1 | 17 | 1 | 2 | 8 | 27 | 54 | 3 | 117 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 307 | 457 | 48 | 9 | 16 | 1 | 2 | 53 | 45 | 59 | 21 | 1019 |
| 10AUG | SE | 0 | 97 | 165 | 21 | 7 | 7 | 1 | 1 | 28 | 22 | 23 | 14 | 198 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 3 | 61 | 38 | 53 | 5 | 7 | 6 | < 0.5 | 43 | 154 | 30 | 0 | 401 |
| 23AUG | SE | 3 | 19 | 18 | 18 | 5 | 7 | 4 | < 0.5 | 35 | 49 | 14 | 0 | 70 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 3 | 36 | 6 | 0 | 1 | 2 | 1 | 0 | 0 | 12 | 10 | 0 | 71 |
| 07SEP | SE | 2 | 12 | 4 | 0 | 1 | 2 | 1 | 0 | 0 | 7 | 10 | 0 | 18 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 2 | 32 | 46 | 2 | 13 | 11 | 0 | 0 | 0 | 41 | 57 | 0 | 203 |
| 20SEP | SE | 2 | 15 | 34 | 2 | 9 | 6 | 0 | 0 | 0 | 21 | 25 | 0 | 51 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 2 | 8 | 0 | 7 | 3 | 4 | 0 | 0 | 0 | 14 | 14 | 0 | 50 |
| 05OCT | SE | 2 | 4 | 0 | 5 | 2 | 4 | 0 | 0 | 0 | 7 | 12 | 0 | 16 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 2 | 1 | 4 | 1 | < 0.5 | 0 | 14 | 14 | 0 | 35 |
| 18OCT | SE | 0 | 0 | 0 | 2 | 1 | 4 | 1 | < 0.5 | 0 | 12 | 7 | 0 | 14 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-43 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 3.51 | 0.63 | 0.00 | 0.00 | 1.81 | NS | NS | NS | NS | NS | NS | 0.85 |
| 22MAR | SE | 0.00 | 0.00 | 1.98 | 0.45 | 0.00 | 0.00 | 0.95 | | | | | | | 2.24 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.70 | 0.00 | 0.89 | 0.42 | 0.00 | 0.19 | 0.00 | NS | NS | NS | NS | NS | NS | 0.31 |
| 29MAR | SE | 0.46 | 0.00 | 0.89 | 0.42 | 0.00 | 0.19 | 0.00 | | | | | | | 1.10 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.25 | 1.43 | 1.45 | 1.44 | 0.37 | 0.00 | 0.26 | 0.00 | 0.20 | 1.06 | 3.93 | 0.33 | 0.00 | 0.83 |
| 06APR | SE | 0.25 | 1.02 | 0.30 | 0.79 | 0.37 | 0.00 | 0.26 | 0.00 | 0.20 | 0.61 | 2.20 | 0.33 | 0.00 | 2.72 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.24 | 0.31 | 1.11 | 0.50 | 1.34 | 0.09 | 1.58 | 0.92 | 0.00 | 0.00 | 0.80 | 0.00 | 0.85 | 0.60 |
| 13APR | SE | 0.24 | 0.31 | 0.67 | 0.50 | 1.00 | 0.09 | 0.02 | 0.46 | 0.00 | 0.00 | 0.51 | 0.00 | 0.85 | 1.75 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.19 | 0.54 | 0.30 | 0.97 | 0.00 | 0.08 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 |
| 20APR | SE | 0.19 | 0.40 | 0.30 | 0.28 | 0.00 | 0.08 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 2.13 | 0.18 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.22 |
| 27APR | SE | 1.63 | 0.18 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 1.69 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 0.00 | 0.00 | 0.57 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 0.35 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.36 | 0.68 | 0.36 | 0.00 | 0.00 | 0.14 |
| 12MAY | SE | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.24 | 0.68 | 0.36 | 0.00 | 0.00 | 0.85 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.36 | 0.00 | 0.17 | 0.16 | 0.19 | 0.33 | 0.22 | 0.15 | 0.00 | 0.42 | 0.46 | 0.00 | 0.19 |
| 19MAY | SE | 0.00 | 0.36 | 0.00 | 0.17 | 0.16 | 0.19 | 0.33 | 0.14 | 0.15 | 0.00 | 0.26 | 0.46 | 0.00 | 0.81 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.24 | 0.00 | 0.31 | 0.00 | 0.00 | 0.44 | 0.00 | 0.30 | 0.23 | 0.73 | 0.00 | 0.00 | 0.17 |
| 26MAY | SE | 0.00 | 0.24 | 0.00 | 0.18 | 0.00 | 0.00 | 0.22 | 0.00 | 0.17 | 0.23 | 0.56 | 0.00 | 0.00 | 0.74 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.63 | 1.13 | 0.22 | 0.00 | 1.04 | 0.00 | 0.69 | 0.00 | 0.94 | 0.00 | 3.12 | 0.60 |
| 02JUN | SE | 0.00 | 0.00 | 0.48 | 0.75 | 0.13 | 0.00 | 0.74 | 0.00 | 0.50 | 0.00 | 0.63 | 0.00 | 0.86 | 1.66 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-43 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 1.01 | 0.11 | 1.11 | 0.96 | 0.50 | 2.02 | 0.17 | 0.65 | 3.01 | 0.62 | 0.96 | 0.00 | 0.85 |
| 08JUN | SE | 0.00 | 0.77 | 0.11 | 0.78 | 0.91 | 0.50 | 1.03 | 0.17 | 0.47 | 2.05 | 0.36 | 0.96 | 0.00 | 2.97 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.30 | 0.46 | 0.98 | 1.03 | 0.11 | 0.00 | 0.00 | 1.18 | 0.12 | 1.80 | 1.79 | 0.96 | 0.52 | 0.71 |
| 15JUN | SE | 0.30 | 0.38 | 0.41 | 0.59 | 0.04 | 0.00 | 0.00 | 0.75 | 0.12 | 1.09 | 1.05 | 0.48 | 0.52 | 2.04 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.60 | 0.75 | 2.02 | 1.55 | 0.04 | 1.52 | 0.13 | 0.00 | 0.23 | 0.52 | 0.00 | 1.84 | 3.09 | 0.95 |
| 22JUN | SE | 0.30 | 0.34 | 0.61 | 0.99 | 0.04 | 0.93 | 0.13 | 0.00 | 0.14 | 0.52 | 0.00 | 1.47 | 0.83 | 2.37 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.24 | 3.01 | 0.00 | 0.00 | 0.50 | 0.16 | 0.25 | 0.00 | 0.74 | 0.00 | 0.00 | 0.38 |
| 29JUN | SE | 0.00 | 0.00 | 0.15 | 1.22 | 0.00 | 0.00 | 0.35 | 0.16 | 0.15 | 0.00 | 0.74 | 0.00 | 0.00 | 1.49 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.81 | 0.45 | 0.00 | 0.08 | 0.42 | NS | NS | NS | NS | NS | 0.22 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.47 | 0.27 | 0.00 | 0.05 | 0.21 | | | | | | 0.59 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | NS | NS | NS | NS | NS | 0.01 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | | | | | | 0.04 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.21 | 0.36 | 0.00 | 0.56 | 0.00 | 0.24 | NS | NS | NS | NS | NS | 0.17 |
| 10AUG | SE | 0.00 | 0.00 | 0.21 | 0.26 | 0.00 | 0.56 | 0.00 | 0.24 | | | | | | 0.69 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.23 | NS | NS | NS | NS | NS | 0.04 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.23 | | | | | | 0.25 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.58 | 0.08 | 0.00 | 0.08 | 0.00 | NS | NS | NS | NS | NS | 0.09 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.58 | 0.08 | 0.00 | 0.08 | 0.00 | | | | | | 0.60 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.96 | 0.22 | 0.38 | 0.04 | 0.00 | 0.09 | 0.68 | NS | NS | NS | NS | NS | 0.30 |
| 21SEP | SE | 0.00 | 0.53 | 0.22 | 0.27 | 0.04 | 0.00 | 0.09 | 0.68 | | | | | | 0.93 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.50 |
| 05OCT | SE | 0.00 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 2.65 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-44 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 1130 | 93 | 0 | 0 | 252 | NS | NS | NS | NS | NS | NS | 1476 |
| 22MAR | SE | 0 | 0 | 637 | 67 | 0 | 0 | 132 | | | | | | | 654 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 147 | 0 | 285 | 62 | 0 | 39 | 0 | NS | NS | NS | NS | NS | NS | 534 |
| 29MAR | SE | 95 | 0 | 285 | 62 | 0 | 39 | 0 | | | | | | | 309 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 53 | 329 | 466 | 213 | 77 | 0 | 37 | 0 | 34 | 150 | 694 | 53 | 0 | 2106 |
| 06APR | SE | 53 | 234 | 98 | 117 | 77 | 0 | 37 | 0 | 34 | 87 | 387 | 53 | 0 | 499 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 51 | 71 | 358 | 74 | 280 | 18 | 221 | 273 | 0 | 0 | 140 | 0 | 60 | 1547 |
| 13APR | SE | 51 | 71 | 217 | 74 | 209 | 18 | 3 | 137 | 0 | 0 | 90 | 0 | 60 | 367 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 40 | 125 | 97 | 144 | 0 | 17 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 492 |
| 20APR | SE | 40 | 91 | 97 | 42 | 0 | 17 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 161 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 446 | 41 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 576 |
| 27APR | SE | 340 | 41 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 350 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 262 | 0 | 0 | 170 | 20 | 0 | 0 | 0 | 0 | 453 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 157 | 0 | 0 | 104 | 20 | 0 | 0 | 0 | 0 | 189 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 92 | 0 | 0 | 0 | 27 | 0 | 59 | 96 | 64 | 0 | 0 | 338 |
| 12MAY | SE | 0 | 0 | 65 | 0 | 0 | 0 | 27 | 0 | 39 | 96 | 64 | 0 | 0 | 141 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 82 | 0 | 26 | 34 | 40 | 45 | 67 | 25 | 0 | 74 | 74 | 0 | 467 |
| 19MAY | SE | 0 | 82 | 0 | 26 | 34 | 40 | 45 | 42 | 25 | 0 | 45 | 74 | 0 | 149 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 56 | 0 | 45 | 0 | 0 | 61 | 0 | 49 | 33 | 128 | 0 | 0 | 373 |
| 26MAY | SE | 0 | 56 | 0 | 26 | 0 | 0 | 31 | 0 | 28 | 33 | 100 | 0 | 0 | 129 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 204 | 166 | 45 | 0 | 146 | 0 | 115 | 0 | 165 | 0 | 222 | 1064 |
| 02JUN | SE | 0 | 0 | 155 | 111 | 26 | 0 | 104 | 0 | 83 | 0 | 110 | 0 | 61 | 266 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-44 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 231 | 34 | 164 | 200 | 104 | 282 | 52 | 107 | 426 | 108 | 155 | 0 | 1863 |
| 08JUN | SE | 0 | 177 | 34 | 115 | 191 | 104 | 145 | 52 | 78 | 289 | 63 | 155 | 0 | 484 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 63 | 106 | 316 | 153 | 23 | 0 | 0 | 352 | 20 | 254 | 316 | 154 | 37 | 1795 |
| 15JUN | SE | 63 | 87 | 133 | 87 | 9 | 0 | 0 | 225 | 20 | 154 | 186 | 77 | 37 | 392 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 125 | 172 | 651 | 230 | 9 | 315 | 18 | 0 | 38 | 74 | 0 | 295 | 220 | 2146 |
| 22JUN | SE | 63 | 77 | 195 | 146 | 9 | 193 | 18 | 0 | 23 | 74 | 0 | 237 | 59 | 416 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 78 | 444 | 0 | 0 | 69 | 47 | 41 | 0 | 131 | 0 | 0 | 810 |
| 29JUN | SE | 0 | 0 | 48 | 180 | 0 | 0 | 50 | 47 | 25 | 0 | 131 | 0 | 0 | 239 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 120 | 93 | 0 | 12 | 125 | NS | NS | NS | NS | NS | 350 |
| 13JUL | SE | 0 | 0 | 0 | 70 | 57 | 0 | 7 | 63 | | | | | | 111 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | NS | NS | NS | NS | NS | 6 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | | | | | | 6 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 67 | 54 | 0 | 116 | 0 | 72 | NS | NS | NS | NS | NS | 309 |
| 10AUG | SE | 0 | 0 | 67 | 38 | 0 | 116 | 0 | 72 | | | | | | 157 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 68 | NS | NS | NS | NS | NS | 91 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 68 | | | | | | 71 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 86 | 16 | 0 | 12 | 0 | NS | NS | NS | NS | NS | 114 |
| 07SEP | SE | 0 | 0 | 0 | 86 | 16 | 0 | 12 | 0 | | | | | | 89 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 221 | 72 | 56 | 8 | 0 | 13 | 201 | NS | NS | NS | NS | NS | 571 |
| 21SEP | SE | 0 | 123 | 72 | 40 | 8 | 0 | 13 | 201 | | | | | | 250 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 915 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 915 |
| 05OCT | SE | 0 | 608 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 608 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-45 REGIONAL DENSITY (NO./1,000m3) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.56 | 0.40 | 0.53 | 0.01 | 0.01 | 0.62 | 0.14 | 0.62 | 1.56 | 0.45 | 2.30 | 1.84 | 0.75 |
| 08JUL | SE | | 0.30 | 0.18 | 0.29 | 0.01 | 0.01 | 0.33 | 0.08 | 0.32 | 0.50 | 0.45 | 2.00 | 1.52 | 2.68 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.26 | 2.00 | 0.51 | 1.41 | 0.00 | 1.22 | 0.17 | 0.12 | 0.35 | 1.71 | 0.10 | 0.00 | 0.60 |
| 20JUL | SE | 0.00 | 0.08 | 0.66 | 0.33 | 0.63 | 0.00 | 0.73 | 0.16 | 0.05 | 0.09 | 1.43 | 0.10 | 0.00 | 1.89 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.03 | 0.00 | 0.56 | 1.03 | 0.29 | 0.22 | 0.46 | 0.33 | 0.02 | 0.17 | 0.06 | 0.00 | 0.09 | 0.25 |
| 03AUG | SE | 0.03 | 0.00 | 0.25 | 0.31 | 0.11 | 0.19 | 0.32 | 0.19 | 0.02 | 0.11 | 0.06 | 0.00 | 0.09 | 0.61 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.23 | 1.54 | 0.83 | 0.58 | 0.01 | 0.23 | 0.16 | 0.22 | 0.67 | 2.59 | 0.63 | 0.18 | 0.61 |
| 17AUG | SE | 0.00 | 0.21 | 0.74 | 0.38 | 0.20 | 0.01 | 0.09 | 0.08 | 0.07 | 0.60 | 2.18 | 0.47 | 0.11 | 2.48 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.03 | 0.00 | 1.11 | 0.18 | 0.15 | 0.00 | 0.13 | 0.25 | 0.79 | 0.49 | 2.02 | 0.81 | 0.12 | 0.47 |
| 31AUG | SE | 0.03 | 0.00 | 0.31 | 0.10 | 0.07 | 0.00 | 0.05 | 0.17 | 0.64 | 0.24 | 1.46 | 0.44 | 0.12 | 1.72 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.12 | 0.00 | 0.54 | 0.61 | 0.11 | 0.22 | 0.37 | 0.08 | 0.51 | 0.75 | 0.62 | 1.23 | 0.46 | 0.43 |
| 14SEP | SE | 0.12 | 0.00 | 0.14 | 0.31 | 0.04 | 0.19 | 0.15 | 0.03 | 0.40 | 0.33 | 0.26 | 0.42 | 0.35 | 0.91 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.52 | 1.66 | 1.84 | 1.26 | 0.34 | 0.72 | 0.07 | 0.07 | 0.53 | 0.37 | 1.13 | 0.66 | 0.71 |
| 28SEP | SE | 0.00 | 0.38 | 0.37 | 0.51 | 0.83 | 0.21 | 0.19 | 0.03 | 0.03 | 0.18 | 0.29 | 0.80 | 0.33 | 1.47 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.85 | 3.44 | 0.57 | 0.21 | 0.22 | 0.07 | 0.04 | 0.29 | 2.43 | 1.46 | 0.34 | 0.37 | 0.79 |
| 12OCT | SE | 0.00 | 0.37 | 1.45 | 0.25 | 0.07 | 0.21 | 0.04 | 0.04 | 0.08 | 0.87 | 0.79 | 0.19 | 0.16 | 1.95 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.18 | 1.45 | 0.72 | 0.08 | 0.09 | 0.00 | 0.08 | 0.08 | 0.21 | 2.23 | 1.01 | 0.47 | 0.42 | 0.54 |
| 26OCT | SE | 0.13 | 0.41 | 0.25 | 0.05 | 0.04 | 0.00 | 0.06 | 0.03 | 0.09 | 0.67 | 0.36 | 0.23 | 0.31 | 0.99 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.15 | 0.29 | 0.40 | 0.13 | 0.10 | 0.04 | 0.15 | 0.43 | 0.21 | 0.12 | 0.22 | 0.00 | 0.05 | 0.18 |
| 09NOV | SE | 0.08 | 0.15 | 0.13 | 0.13 | 0.05 | 0.01 | 0.07 | 0.23 | 0.08 | 0.05 | 0.08 | 0.00 | 0.05 | 0.37 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.08 | 0.33 | 1.03 | 0.03 | 0.30 | 0.04 | 0.17 | 0.20 | 0.05 | 0.23 | 0.16 | 0.00 | 0.04 | 0.20 |
| 30NOV | SE | 0.04 | 0.10 | 0.31 | 0.03 | 0.15 | 0.02 | 0.11 | 0.08 | 0.02 | 0.09 | 0.07 | 0.00 | 0.04 | 0.40 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-46 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 129 | 129 | 78 | 1 | 2 | 87 | 40 | 102 | 220 | 79 | 369 | 131 | 1368 |
| 08JUL | SE | . | 69 | 57 | 43 | 1 | 2 | 46 | 24 | 53 | 71 | 79 | 321 | 108 | 376 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 60 | 644 | 75 | 293 | 0 | 170 | 51 | 20 | 49 | 301 | 16 | 0 | 1678 |
| 20JUL | SE | 0 | 18 | 213 | 48 | 132 | 0 | 102 | 48 | 8 | 13 | 252 | 16 | 0 | 377 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 6 | 0 | 180 | 152 | 60 | 46 | 65 | 98 | 3 | 24 | 10 | 0 | 6 | 649 |
| 03AUG | SE | 6 | 0 | 81 | 46 | 22 | 40 | 44 | 56 | 3 | 15 | 10 | 0 | 6 | 128 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 54 | 497 | 123 | 121 | 2 | 32 | 47 | 37 | 94 | 457 | 101 | 13 | 1577 |
| 17AUG | SE | 0 | 48 | 239 | 56 | 42 | 2 | 12 | 23 | 12 | 85 | 384 | 75 | 7 | 475 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 5 | 0 | 357 | 26 | 32 | 0 | 18 | 73 | 130 | 70 | 355 | 130 | 8 | 1206 |
| 31AUG | SE | 5 | 0 | 101 | 15 | 15 | 0 | 7 | 50 | 106 | 34 | 258 | 71 | 8 | 312 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 25 | 0 | 173 | 90 | 23 | 45 | 51 | 24 | 84 | 106 | 109 | 198 | 33 | 960 |
| 14SEP | SE | 25 | 0 | 46 | 46 | 9 | 40 | 22 | 9 | 67 | 46 | 45 | 68 | 25 | 145 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 120 | 534 | 272 | 262 | 70 | 101 | 21 | 12 | 75 | 65 | 182 | 47 | 1761 |
| 28SEP | SE | 0 | 87 | 119 | 75 | 172 | 44 | 27 | 9 | 5 | 25 | 51 | 129 | 23 | 283 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 194 | 1108 | 84 | 44 | 45 | 10 | 13 | 49 | 344 | 258 | 55 | 27 | 2231 |
| 12OCT | SE | 0 | 84 | 466 | 37 | 14 | 44 | 5 | 13 | 13 | 123 | 140 | 30 | 11 | 513 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 37 | 333 | 231 | 11 | 19 | 0 | 11 | 25 | 34 | 316 | 177 | 75 | 30 | 1301 |
| 26OCT | SE | 27 | 94 | 81 | 8 | 9 | 0 | 9 | 8 | 15 | 94 | 64 | 36 | 22 | 177 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 32 | 68 | 129 | 19 | 21 | 8 | 20 | 129 | 35 | 17 | 39 | 0 | 3 | 520 |
| 09NOV | SE | 16 | 35 | 42 | 19 | 11 | 3 | 10 | 67 | 13 | 7 | 13 | 0 | 3 | 94 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 17 | 76 | 330 | 4 | 62 | 9 | 23 | 59 | 8 | 32 | 28 | 0 | 3 | 652 |
| 30NOV | SE | 9 | 23 | 99 | 4 | 31 | 5 | 15 | 25 | 3 | 13 | 12 | 0 | 3 | 112 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-47 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 1.55 | 1.29 | 3.67 | 1.33 | 1.00 | 1.63 | 3.25 | 2.63 | 4.00 | 0.68 | 1.33 | 1.86 |
| 15JUN | SE | 0.00 | 0.68 | 0.89 | 2.03 | 1.33 | 0.58 | 1.22 | 1.36 | 1.03 | 1.14 | 0.27 | 0.63 | 3.70 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.67 | 2.64 | 0.71 | 1.00 | 0.67 | 0.33 | 2.63 | 0.50 | 1.25 | 1.00 | 2.68 | 0.58 | 1.22 |
| 28JUN | SE | 0.33 | 0.93 | 0.42 | 0.58 | 0.67 | 0.33 | 1.31 | 0.33 | 0.53 | 0.31 | 0.79 | 0.26 | 2.22 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.67 | 6.73 | 0.57 | 10.67 | 2.67 | 2.67 | 2.38 | 2.00 | 2.13 | 3.80 | 1.79 | 0.75 | 3.07 |
| 12JUL | SE | 0.33 | 2.81 | 0.43 | 6.69 | 2.67 | 1.20 | 0.91 | 0.98 | 0.72 | 0.84 | 0.52 | 0.39 | 8.06 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 5.00 | 4.58 | 1.64 | 3.00 | 1.20 | 0.00 | 2.60 | 1.60 | 0.80 | 0.67 | 1.90 | 1.71 | 2.06 |
| 27JUL | SE | 3.58 | 1.24 | 0.83 | 1.48 | 0.97 | 0.00 | 1.89 | 0.81 | 0.58 | 0.29 | 0.75 | 1.04 | 4.95 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 3.00 | 5.33 | 1.50 | 1.00 | 3.20 | 0.33 | 2.60 | 0.40 | 1.00 | 0.33 | 1.10 | 2.29 | 1.84 |
| 10AUG | SE | 1.00 | 1.82 | 0.51 | 0.77 | 1.77 | 0.33 | 1.17 | 0.24 | 0.45 | 0.24 | 0.48 | 1.36 | 3.49 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 9.60 | 4.50 | 0.21 | 3.80 | 1.00 | 0.50 | 2.00 | 0.40 | 4.80 | 2.33 | 1.70 | 0.14 | 2.58 |
| 23AUG | SE | 4.33 | 1.38 | 0.11 | 1.39 | 0.77 | 0.50 | 1.76 | 0.24 | 2.33 | 0.71 | 0.70 | 0.14 | 5.75 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 2.80 | 1.29 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.50 | 0.29 | 0.43 |
| 07SEP | SE | 0.66 | 0.41 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.22 | 0.29 | 0.89 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 1.60 | 2.25 | 0.36 | 0.20 | 0.40 | 0.17 | 0.60 | 0.00 | 0.00 | 0.33 | 0.30 | 0.00 | 0.52 |
| 20SEP | SE | 0.51 | 1.24 | 0.23 | 0.20 | 0.24 | 0.17 | 0.40 | 0.00 | 0.00 | 0.24 | 0.21 | 0.00 | 1.50 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.60 | 0.46 | 0.21 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 |
| 05OCT | SE | 0.24 | 0.18 | 0.21 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.38 | 0.07 | 0.00 | 0.80 | 0.50 | 0.20 | 0.00 | 0.00 | 0.11 | 0.60 | 0.00 | 0.22 |
| 18OCT | SE | 0.00 | 0.29 | 0.07 | 0.00 | 0.58 | 0.22 | 0.20 | 0.00 | 0.00 | 0.11 | 0.31 | 0.00 | 0.79 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-48 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE PERCH OLDER-THAN-YEARLING IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 70 | 35 | 34 | 4 | 11 | 12 | 4 | 23 | 70 | 13 | 18 | 293 |
| 15JUN | SE | 0 | 31 | 24 | 19 | 4 | 6 | 9 | 2 | 9 | 20 | 5 | 9 | 51 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 5 | 120 | 19 | 9 | 2 | 4 | 19 | 1 | 11 | 18 | 53 | 8 | 267 |
| 28JUN | SE | 3 | 42 | 11 | 5 | 2 | 4 | 9 | < 0.5 | 5 | 5 | 15 | 4 | 48 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 5 | 306 | 15 | 98 | 7 | 28 | 17 | 2 | 18 | 67 | 35 | 10 | 610 |
| 12JUL | SE | 3 | 128 | 12 | 62 | 7 | 13 | 6 | 1 | 6 | 15 | 10 | 5 | 145 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 38 | 208 | 44 | 28 | 3 | 0 | 18 | 2 | 7 | 12 | 37 | 23 | 421 |
| 27JUL | SE | 27 | 56 | 22 | 14 | 3 | 0 | 13 | 1 | 5 | 5 | 15 | 14 | 72 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 23 | 242 | 40 | 9 | 8 | 4 | 18 | < 0.5 | 9 | 6 | 22 | 31 | 413 |
| 10AUG | SE | 8 | 83 | 14 | 7 | 5 | 4 | 8 | < 0.5 | 4 | 4 | 9 | 18 | 88 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 72 | 204 | 6 | 35 | 3 | 5 | 14 | < 0.5 | 41 | 41 | 33 | 2 | 458 |
| 23AUG | SE | 33 | 63 | 3 | 13 | 2 | 5 | 12 | < 0.5 | 20 | 12 | 14 | 2 | 78 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 21 | 59 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 4 | 97 |
| 07SEP | SE | 5 | 18 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 4 | 20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 12 | 102 | 10 | 2 | 1 | 2 | 4 | 0 | 0 | 6 | 6 | 0 | 145 |
| 20SEP | SE | 4 | 56 | 6 | 2 | 1 | 2 | 3 | 0 | 0 | 4 | 4 | 0 | 57 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 5 | 21 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| 05OCT | SE | 2 | 8 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 17 | 2 | 0 | 2 | 5 | 1 | 0 | 0 | 2 | 12 | 0 | 42 |
| 18OCT | SE | 0 | 13 | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 2 | 6 | 0 | 15 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-49 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-49 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-50 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-50 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-51 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.12 | 0.47 | 4.14 | 1.72 | 1.66 | 0.99 | NS | NS | NS | NS | NS | NS | 1.30 |
| 10MAR | SE | 0.00 | 0.12 | 0.47 | 2.05 | 0.70 | 1.17 | 0.71 | | | | | | | 2.61 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.24 | 0.00 | 1.34 | 0.38 | 0.00 | NS | NS | NS | NS | NS | NS | 0.28 |
| 22MAR | SE | 0.00 | 0.00 | 0.24 | 0.00 | 1.18 | 0.38 | 0.00 | | | | | | | 1.26 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-51 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-52 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 28 | 151 | 611 | 358 | 344 | 139 | NS | NS | NS | NS | NS | NS | 1631 |
| 10MAR | SE | 0 | 28 | 151 | 302 | 146 | 243 | 99 | | | | | | | 453 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 77 | 0 | 278 | 79 | 0 | NS | NS | NS | NS | NS | NS | 435 |
| 22MAR | SE | 0 | 0 | 77 | 0 | 245 | 79 | 0 | | | | | | | 269 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-52 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-53 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.60 | 35.44 | 60.74 | 8.77 | 3.56 | 1.65 | 0.41 | NS | NS | NS | NS | NS | NS | 15.88 |
| 10MAR | SE | 0.40 | 29.82 | 11.67 | 2.10 | 1.16 | 0.75 | 0.41 | | | | | | | 32.13 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 3.15 | 18.30 | 7.66 | 0.82 | 0.91 | 0.43 | 0.00 | NS | NS | NS | NS | NS | NS | 4.47 |
| 22MAR | SE | 1.32 | 14.28 | 4.87 | 0.46 | 0.74 | 0.43 | 0.00 | | | | | | | 15.18 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 11.19 | 22.79 | 35.02 | 18.20 | 0.48 | 0.41 | 0.24 | NS | NS | NS | NS | NS | NS | 12.62 |
| 29MAR | SE | 4.20 | 8.35 | 17.52 | 11.01 | 0.26 | 0.41 | 0.20 | | | | | | | 22.71 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 61.99 | 271.52 | 27.33 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.79 |
| 06APR | SE | 21.98 | 168.15 | 8.40 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 169.79 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 197.85 | 42.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.49 |
| 13APR | SE | 186.39 | 15.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 187.05 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 28.94 | 245.95 | 19.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.63 |
| 20APR | SE | 12.03 | 171.91 | 17.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 173.26 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 130.74 | 3.69 | 0.30 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.38 |
| 27APR | SE | 67.32 | 2.94 | 0.30 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 67.39 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.15 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 04MAY | SE | 0.00 | 0.00 | 0.15 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 12MAY | SE | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-53 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-54 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 125 | 8132 | 19546 | 1295 | 742 | 342 | 57 | NS | NS | NS | NS | NS | NS | 30239 |
| 10MAR | SE | 84 | 6842 | 3755 | 311 | 241 | 156 | 57 | | | | | | | 7817 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 659 | 4199 | 2464 | 122 | 189 | 89 | 0 | NS | NS | NS | NS | NS | NS | 7722 |
| 22MAR | SE | 277 | 3276 | 1566 | 68 | 154 | 89 | 0 | | | | | | | 3647 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 2338 | 5227 | 11268 | 2689 | 100 | 85 | 33 | NS | NS | NS | NS | NS | NS | 21741 |
| 29MAR | SE | 878 | 1916 | 5638 | 1627 | 55 | 85 | 28 | | | | | | | 6236 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 12956 | 62293 | 8794 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84109 |
| 06APR | SE | 4595 | 38576 | 2703 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38943 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 41353 | 9768 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51121 |
| 13APR | SE | 38959 | 3591 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39124 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 6048 | 56426 | 6198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68673 |
| 20APR | SE | 2514 | 39441 | 5772 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39940 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 27327 | 847 | 96 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28304 |
| 27APR | SE | 14072 | 674 | 96 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14088 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 48 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 |
| 04MAY | SE | 0 | 0 | 48 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139 |
| 12MAY | SE | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-54 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-55 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| 06APR | SE | 1.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 13APR | SE | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 44.69 | 110.15 | 8.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.53 |
| 20APR | SE | 12.08 | 53.67 | 7.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.49 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 540.28 | 206.91 | 0.60 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 57.57 |
| 27APR | SE | 391.18 | 183.19 | 0.45 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 431.95 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 4.15 | 0.15 | 0.00 | 15.04 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 |
| 04MAY | SE | 0.00 | 2.59 | 0.15 | 0.00 | 14.25 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.48 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 28.18 | 94.09 | 16.57 | 3.10 | 2.96 | 0.00 | 0.00 | 0.50 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 11.21 |
| 12MAY | SE | 13.74 | 17.89 | 8.30 | 1.29 | 2.72 | 0.00 | 0.00 | 0.39 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 24.23 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 38.26 | 37.35 | 0.24 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.86 |
| 19MAY | SE | 16.56 | 6.38 | 0.24 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.75 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 1.41 | 0.25 | 0.00 | 0.78 | 0.85 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| 26MAY | SE | 1.41 | 0.25 | 0.00 | 0.59 | 0.42 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 5.97 | 36.90 | 3.01 | 18.64 | 18.94 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.45 |
| 02JUN | SE | 3.72 | 18.75 | 1.57 | 3.61 | 7.64 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.96 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-55 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 13.15 | 13.74 | 10.99 | 9.00 | 3.90 | 0.69 | 0.63 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 |
| 08JUN | SE | 5.26 | 6.16 | 2.89 | 2.27 | 0.86 | 0.56 | 0.24 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.96 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 1.93 | 1.15 | 8.95 | 7.14 | 1.84 | 0.61 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 |
| 15JUN | SE | 0.00 | 1.15 | 1.02 | 2.75 | 1.12 | 1.33 | 0.30 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.61 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 1.85 | 4.71 | 12.39 | 6.89 | 6.64 | 1.97 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 |
| 22JUN | SE | 0.56 | 1.94 | 6.21 | 2.55 | 2.05 | 0.74 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.36 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.62 | 2.79 | 1.84 | 25.93 | 28.58 | 1.81 | 0.96 | 0.16 | 0.23 | 66.11 | 0.00 | 0.00 | 0.00 | 9.92 |
| 29JUN | SE | 0.62 | 0.30 | 0.97 | 19.16 | 13.28 | 1.13 | 0.30 | 0.16 | 0.23 | 66.11 | 0.00 | 0.00 | 0.00 | 70.12 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.70 | 0.54 | 3.47 | 0.49 | 0.80 | 0.19 | NS | NS | NS | NS | NS | 0.77 |
| 13JUL | SE | 0.00 | 0.00 | 0.70 | 0.35 | 1.95 | 0.19 | 0.02 | 0.19 | | | | | | 2.12 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.20 | 17.32 | 0.31 | 0.00 | 0.46 | NS | NS | NS | NS | NS | 2.29 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.20 | 8.30 | 0.20 | 0.00 | 0.23 | | | | | | 8.31 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 1.91 | 0.73 | 3.10 | 16.21 | 3.40 | 0.99 | 0.84 | 1.63 | NS | NS | NS | NS | NS | 3.60 |
| 10AUG | SE | 1.91 | 0.73 | 1.24 | 3.60 | 1.01 | 0.38 | 0.49 | 0.27 | | | | | | 4.49 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 2.02 | 1.53 | 1.33 | 1.52 | 0.23 | NS | NS | NS | NS | NS | 0.83 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.83 | 0.89 | 0.63 | 1.14 | 0.23 | | | | | | 1.79 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.71 | 4.15 | 6.93 | 2.37 | 0.88 | 0.75 | NS | NS | NS | NS | NS | 1.97 |
| 07SEP | SE | 0.00 | 0.00 | 0.37 | 0.75 | 3.22 | 0.64 | 0.01 | 0.43 | | | | | | 3.41 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.47 | 0.19 | 2.40 | 0.92 | 2.07 | 1.72 | NS | NS | NS | NS | NS | 0.97 |
| 21SEP | SE | 0.00 | 0.00 | 0.47 | 0.19 | 0.89 | 0.33 | 1.05 | 0.91 | | | | | | 1.75 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 2.42 | 0.00 | 0.37 | 0.58 | 1.22 | 0.72 | 0.86 | 1.28 | NS | NS | NS | NS | NS | 0.93 |
| 05OCT | SE | 1.26 | 0.00 | 0.37 | 0.58 | 0.62 | 0.31 | 0.86 | 1.28 | | | | | | 2.21 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-56 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 402 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 402 |
| 06APR | SE | 402 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 402 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 13APR | SE | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 9340 | 25272 | 2597 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37208 |
| 20APR | SE | 2524 | 12313 | 2341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12785 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 112926 | 47469 | 193 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160724 |
| 27APR | SE | 81761 | 42027 | 144 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91931 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 953 | 48 | 0 | 3134 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4161 |
| 04MAY | SE | 0 | 593 | 48 | 0 | 2969 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3028 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 5889 | 21587 | 5333 | 457 | 616 | 0 | 0 | 148 | 0 | 48 | 0 | 0 | 0 | 34078 |
| 12MAY | SE | 2872 | 4104 | 2671 | 191 | 567 | 0 | 0 | 115 | 0 | 48 | 0 | 0 | 0 | 5709 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 7996 | 8569 | 78 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16701 |
| 19MAY | SE | 3461 | 1464 | 78 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3760 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 295 | 58 | 0 | 115 | 176 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 677 |
| 26MAY | SE | 295 | 58 | 0 | 88 | 88 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 327 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 1247 | 8467 | 970 | 2754 | 3947 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17474 |
| 02JUN | SE | 777 | 4302 | 505 | 533 | 1591 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4711 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-56 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 2748 | 3151 | 3537 | 1329 | 812 | 142 | 88 | 52 | 0 | 0 | 0 | 0 | 0 | 11860 |
| 08JUN | SE | 1099 | 1414 | 928 | 335 | 179 | 116 | 33 | 52 | 0 | 0 | 0 | 0 | 0 | 2057 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 444 | 371 | 1322 | 1488 | 382 | 85 | 48 | 0 | 0 | 0 | 0 | 0 | 4141 |
| 15JUN | SE | 0 | 263 | 327 | 406 | 232 | 276 | 42 | 48 | 0 | 0 | 0 | 0 | 0 | 689 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 386 | 1080 | 3986 | 1017 | 1384 | 409 | 207 | 0 | 0 | 0 | 0 | 0 | 0 | 8469 |
| 22JUN | SE | 118 | 444 | 1998 | 377 | 427 | 154 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 2135 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 129 | 640 | 591 | 3831 | 5955 | 375 | 134 | 47 | 39 | 9352 | 0 | 0 | 0 | 21093 |
| 29JUN | SE | 129 | 68 | 313 | 2830 | 2766 | 234 | 41 | 47 | 39 | 9352 | 0 | 0 | 0 | 10164 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 227 | 80 | 724 | 102 | 112 | 57 | NS | NS | NS | NS | NS | 1301 |
| 13JUL | SE | 0 | 0 | 227 | 51 | 407 | 39 | 2 | 57 | | | | | | 474 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 29 | 3609 | 65 | 0 | 136 | NS | NS | NS | NS | NS | 3839 |
| 27JUL | SE | 0 | 0 | 0 | 29 | 1730 | 41 | 0 | 68 | | | | | | 1732 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 398 | 168 | 996 | 2395 | 708 | 204 | 118 | 486 | NS | NS | NS | NS | NS | 5475 |
| 10AUG | SE | 398 | 168 | 398 | 532 | 210 | 78 | 68 | 82 | | | | | | 831 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 299 | 319 | 276 | 213 | 68 | NS | NS | NS | NS | NS | 1174 |
| 24AUG | SE | 0 | 0 | 0 | 123 | 185 | 130 | 159 | 68 | | | | | | 310 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 229 | 613 | 1443 | 493 | 124 | 223 | NS | NS | NS | NS | NS | 3125 |
| 07SEP | SE | 0 | 0 | 121 | 111 | 670 | 133 | 1 | 129 | | | | | | 715 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 152 | 27 | 500 | 191 | 290 | 511 | NS | NS | NS | NS | NS | 1671 |
| 21SEP | SE | 0 | 0 | 152 | 27 | 186 | 68 | 146 | 270 | | | | | | 397 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 507 | 0 | 118 | 86 | 255 | 150 | 120 | 381 | NS | NS | NS | NS | NS | 1616 |
| 05OCT | SE | 262 | 0 | 118 | 86 | 129 | 65 | 120 | 381 | | | | | | 520 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-57 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.73 | 0.29 | 7.51 | 9.98 | 3.44 | 1.58 | 0.81 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 |
| 08JUL | SE | | 0.19 | 0.10 | 2.50 | 2.62 | 1.04 | 0.57 | 0.19 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 5.50 | 1.02 | 1.75 | 0.42 | 22.42 | 3.94 | 2.51 | 0.11 | 0.08 | 6.39 | 0.00 | 0.00 | 0.00 | 3.40 |
| 20JUL | SE | 1.24 | 0.18 | 0.66 | 0.21 | 9.06 | 0.75 | 0.37 | 0.04 | 0.07 | 6.39 | 0.00 | 0.00 | 0.00 | 11.21 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 1.97 | 0.15 | 0.43 | 1.34 | 5.85 | 4.34 | 4.01 | 0.99 | 0.43 | 0.06 | 0.06 | 0.00 | 0.00 | 1.51 |
| 03AUG | SE | 0.57 | 0.09 | 0.33 | 0.45 | 2.33 | 0.91 | 0.87 | 0.40 | 0.18 | 0.06 | 0.06 | 0.00 | 0.00 | 2.80 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.56 | 0.20 | 0.26 | 0.14 | 4.04 | 6.14 | 2.24 | 0.51 | 0.23 | 0.55 | 0.12 | 0.00 | 0.00 | 1.15 |
| 17AUG | SE | 0.20 | 0.12 | 0.14 | 0.05 | 3.27 | 1.21 | 0.37 | 0.13 | 0.10 | 0.49 | 0.12 | 0.00 | 0.00 | 3.56 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.24 | 0.14 | 0.35 | 3.25 | 5.63 | 2.03 | 1.45 | 1.40 | 0.50 | 1.55 | 0.76 | 0.00 | 0.00 | 1.33 |
| 31AUG | SE | 0.08 | 0.08 | 0.14 | 1.91 | 2.46 | 0.69 | 0.42 | 0.47 | 0.12 | 0.85 | 0.37 | 0.00 | 0.00 | 3.39 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.49 | 0.27 | 0.14 | 0.03 | 0.60 | 1.39 | 1.49 | 0.76 | 0.74 | 0.35 | 0.43 | 0.23 | 0.00 | 0.53 |
| 14SEP | SE | 0.13 | 0.14 | 0.07 | 0.03 | 0.17 | 0.30 | 0.50 | 0.16 | 0.15 | 0.15 | 0.35 | 0.23 | 0.00 | 0.81 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.03 | 0.31 | 0.16 | 0.44 | 0.29 | 1.49 | 1.53 | 0.75 | 0.66 | 0.29 | 0.56 | 0.11 | 0.00 | 0.51 |
| 28SEP | SE | 0.03 | 0.13 | 0.09 | 0.11 | 0.14 | 0.67 | 0.66 | 0.16 | 0.14 | 0.15 | 0.39 | 0.11 | 0.00 | 1.08 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.07 | 0.27 | 0.68 | 0.54 | 1.24 | 1.66 | 0.04 | 0.37 | 0.48 | 0.55 | 1.32 | 0.11 | 0.00 | 0.57 |
| 12OCT | SE | 0.05 | 0.12 | 0.28 | 0.20 | 0.60 | 0.52 | 0.03 | 0.13 | 0.37 | 0.27 | 0.75 | 0.11 | 0.00 | 1.26 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.02 | 0.16 | 0.00 | 0.15 | 0.42 | 0.75 | 0.34 | 0.70 | 1.07 | 3.25 | 0.34 | 0.38 | 0.15 | 0.60 |
| 26OCT | SE | 0.02 | 0.08 | 0.00 | 0.15 | 0.18 | 0.14 | 0.11 | 0.15 | 0.33 | 0.89 | 0.15 | 0.20 | 0.11 | 1.05 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.03 | 0.00 | 0.09 | 0.33 | 0.09 | 0.32 | 0.15 | 1.03 | 0.60 | 0.00 | 0.00 | 0.20 |
| 09NOV | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.05 | 0.15 | 0.07 | 0.16 | 0.06 | 0.55 | 0.21 | 0.00 | 0.00 | 0.64 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.02 | 0.39 | 1.00 | 0.93 | 0.36 | 0.26 | 0.38 | 0.06 | 0.27 | 0.21 | 0.00 | 0.00 | 0.30 |
| 30NOV | SE | 0.00 | 0.02 | 0.17 | 0.41 | 0.29 | 0.11 | 0.12 | 0.13 | 0.06 | 0.16 | 0.16 | 0.00 | 0.00 | 0.61 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-58 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 168 | 92 | 1110 | 2080 | 713 | 221 | 242 | 66 | 0 | 0 | 0 | 0 | 4693 |
| 08JUL | SE | . | 44 | 31 | 369 | 545 | 216 | 80 | 57 | 25 | 0 | 0 | 0 | 0 | 703 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 1150 | 235 | 562 | 62 | 4672 | 817 | 351 | 33 | 14 | 903 | 0 | 0 | 0 | 8798 |
| 20JUL | SE | 258 | 42 | 213 | 32 | 1887 | 155 | 51 | 12 | 11 | 903 | 0 | 0 | 0 | 2126 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 412 | 35 | 139 | 198 | 1219 | 901 | 560 | 295 | 72 | 8 | 10 | 0 | 0 | 3849 |
| 03AUG | SE | 119 | 21 | 106 | 67 | 485 | 189 | 122 | 120 | 29 | 8 | 10 | 0 | 0 | 576 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 117 | 46 | 82 | 21 | 842 | 1273 | 313 | 153 | 39 | 78 | 21 | 0 | 0 | 2986 |
| 17AUG | SE | 43 | 28 | 45 | 8 | 682 | 252 | 52 | 38 | 16 | 69 | 21 | 0 | 0 | 736 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 49 | 33 | 113 | 480 | 1173 | 422 | 203 | 418 | 82 | 219 | 134 | 0 | 0 | 3327 |
| 31AUG | SE | 16 | 18 | 45 | 282 | 512 | 143 | 58 | 141 | 19 | 120 | 66 | 0 | 0 | 638 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 102 | 61 | 46 | 4 | 126 | 288 | 208 | 226 | 123 | 49 | 76 | 37 | 0 | 1346 |
| 14SEP | SE | 26 | 33 | 23 | 4 | 35 | 63 | 70 | 48 | 24 | 21 | 62 | 37 | 0 | 145 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 6 | 72 | 51 | 64 | 61 | 309 | 214 | 223 | 109 | 42 | 99 | 18 | 0 | 1266 |
| 28SEP | SE | 6 | 31 | 27 | 17 | 28 | 138 | 93 | 49 | 23 | 21 | 68 | 18 | 0 | 197 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 15 | 62 | 218 | 80 | 259 | 343 | 6 | 112 | 79 | 78 | 234 | 18 | 0 | 1504 |
| 12OCT | SE | 10 | 28 | 91 | 29 | 126 | 108 | 4 | 39 | 62 | 38 | 133 | 18 | 0 | 249 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 5 | 37 | 0 | 23 | 88 | 156 | 47 | 209 | 177 | 460 | 60 | 61 | 11 | 1335 |
| 26OCT | SE | 5 | 18 | 0 | 23 | 38 | 30 | 15 | 44 | 55 | 126 | 26 | 32 | 8 | 161 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 11 | 0 | 19 | 69 | 13 | 96 | 26 | 146 | 106 | 0 | 0 | 485 |
| 09NOV | SE | 0 | 0 | 7 | 0 | 11 | 31 | 10 | 49 | 10 | 78 | 38 | 0 | 0 | 106 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 4 | 126 | 147 | 193 | 74 | 36 | 114 | 10 | 39 | 37 | 0 | 0 | 780 |
| 30NOV | SE | 0 | 4 | 56 | 60 | 60 | 24 | 17 | 37 | 10 | 23 | 28 | 0 | 0 | 118 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-59 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 1.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| 15JUN | SE | 0.58 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 28JUN | SE | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 12JUL | SE | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.50 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 27JUL | SE | 0.00 | 0.42 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.33 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 10AUG | SE | 0.00 | 0.24 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 23AUG | SE | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-60 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 15JUN | SE | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 28JUN | SE | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 12JUL | SE | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 23 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 27JUL | SE | 0 | 19 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 15 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 10AUG | SE | 0 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 23AUG | SE | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-61 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-61 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-62 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-62 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-63 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 17AUG | SE | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 12OCT | SE | 0.00 | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.02 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.03 | 0.03 | 0.14 | 0.00 | 0.00 | 0.02 |
| 26OCT | SE | 0.02 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0.03 | 0.14 | 0.00 | 0.00 | 0.15 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.12 | 0.00 | 0.00 | 0.02 |
| 09NOV | SE | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.19 | 0.06 | 0.04 | 0.10 | 0.13 | 0.03 | 0.02 | 0.01 | 0.00 | 0.10 | 0.06 | 0.00 | 0.00 | 0.06 |
| 30NOV | SE | 0.13 | 0.06 | 0.03 | 0.08 | 0.04 | 0.03 | 0.02 | 0.01 | 0.00 | 0.05 | 0.06 | 0.00 | 0.00 | 0.19 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-64 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 17AUG | SE | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 12OCT | SE | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 5 | 15 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 4 | 24 | 0 | 0 | 54 |
| 26OCT | SE | 5 | 8 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 | 24 | 0 | 0 | 26 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 21 | 0 | 0 | 40 |
| 09NOV | SE | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14 | 0 | 0 | 18 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 40 | 13 | 13 | 15 | 27 | 7 | 3 | 4 | 0 | 14 | 11 | 0 | 0 | 147 |
| 30NOV | SE | 27 | 13 | 9 | 12 | 9 | 6 | 3 | 4 | 0 | 7 | 11 | 0 | 0 | 37 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-65 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-66 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC TOMCOD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-67 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 6.62 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 |
| 19MAY | SE | 1.67 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 479.96 | 428.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.90 |
| 02JUN | SE | 179.64 | 240.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 299.85 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-67 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 1658.57 | 1281.35 | 1.17 | 0.49 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 226.40 |
| 08JUN | SE | 781.02 | 670.25 | 1.17 | 0.49 | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1029.19 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 951.53 | 2040.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 230.19 |
| 15JUN | SE | 514.35 | 1777.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1849.97 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 983.84 | 305.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.19 |
| 22JUN | SE | 872.32 | 113.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 879.73 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 12294.99 | 6614.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1454.55 |
| 29JUN | SE | 3718.58 | 1297.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3938.46 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 8221.08 | 32664.13 | 1877.21 | 0.92 | 1.87 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 5345.65 |
| 13JUL | SE | 3802.56 | 9282.87 | 1292.43 | 0.74 | 1.87 | 0.00 | 0.00 | 0.00 | | | | | | 10114.42 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 6503.31 | 17994.54 | 1.78 | 0.00 | 0.53 | 0.00 | 0.56 | 0.00 | NS | NS | NS | NS | NS | 3062.59 |
| 27JUL | SE | 813.29 | 9169.18 | 0.76 | 0.00 | 0.49 | 0.00 | 0.56 | 0.00 | | | | | | 9205.18 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 7720.97 | 1652.98 | 17.04 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 1173.94 |
| 10AUG | SE | 3109.86 | 777.83 | 12.30 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 3205.69 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 9.93 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 1.50 |
| 07SEP | SE | 8.93 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 9.17 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-68 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 1384 | 341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1725 |
| 19MAY | SE | 349 | 341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 488 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 100318 | 98351 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198669 |
| 02JUN | SE | 37546 | 55080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66660 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-68 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 346663 | 293968 | 376 | 73 | 0 | 0 | 0 | 465 | 0 | 0 | 0 | 0 | 0 | 641545 |
| 08JUN | SE | 163243 | 153768 | 376 | 73 | 0 | 0 | 0 | 465 | 0 | 0 | 0 | 0 | 0 | 224262 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 198883 | 468221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 667104 |
| 15JUN | SE | 107506 | 407687 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 421624 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 205635 | 70131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275766 |
| 22JUN | SE | 182325 | 26144 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 184190 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 2569810 | 1517409 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4087219 |
| 29JUN | SE | 777232 | 297679 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 832287 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 1718311 | 7493813 | 604107 | 136 | 389 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 9816756 |
| 13JUL | SE | 794783 | 2129679 | 415920 | 109 | 389 | 0 | 0 | 0 | | | | | | 2310887 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 1359274 | 4128312 | 573 | 0 | 110 | 0 | 78 | 0 | NS | NS | NS | NS | NS | 5488347 |
| 27JUL | SE | 169989 | 2103595 | 245 | 0 | 103 | 0 | 78 | 0 | | | | | | 2110452 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 1613781 | 379227 | 5484 | 77 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1998569 |
| 10AUG | SE | 650000 | 178451 | 3959 | 35 | 0 | 0 | 0 | 0 | | | | | | 674063 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 2076 | 478 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 2555 |
| 07SEP | SE | 1867 | 478 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 1927 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-69 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-69 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-70 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-70 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-71 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-71 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 15.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |
| 22JUN | SE | 15.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 15.17 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 47.13 | 26.15 | 15.56 | 4.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.16 |
| 29JUN | SE | 14.30 | 11.85 | 4.43 | 2.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.21 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 221.72 | 185.70 | 655.66 | 207.25 | 233.99 | 3.12 | 0.77 | 1.19 | NS | NS | NS | NS | NS | 188.68 |
| 13JUL | SE | 53.95 | 48.28 | 138.42 | 23.67 | 62.41 | 1.89 | 0.58 | 1.19 | | | | | | 169.89 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 681.79 | 909.99 | 3448.96 | 2417.50 | 277.96 | 17.60 | 3.05 | 3.92 | NS | NS | NS | NS | NS | 970.10 |
| 27JUL | SE | 315.10 | 298.30 | 762.67 | 834.82 | 101.90 | 10.41 | 2.09 | 1.61 | | | | | | 1215.47 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 422.02 | 477.93 | 1529.12 | 196.86 | 57.46 | 13.96 | 2.18 | 23.93 | NS | NS | NS | NS | NS | 340.43 |
| 10AUG | SE | 144.14 | 105.52 | 528.54 | 46.20 | 8.29 | 4.71 | 0.84 | 11.32 | | | | | | 560.02 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 217.02 | 418.41 | 585.23 | 315.19 | 152.06 | 8.22 | 34.51 | 95.52 | NS | NS | NS | NS | NS | 228.27 |
| 24AUG | SE | 63.15 | 96.03 | 131.64 | 106.24 | 42.53 | 3.25 | 14.45 | 43.30 | | | | | | 213.84 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 313.61 | 121.71 | 254.69 | 116.69 | 68.79 | 6.09 | 13.22 | 28.15 | NS | NS | NS | NS | NS | 115.37 |
| 07SEP | SE | 85.39 | 35.25 | 78.57 | 31.64 | 19.54 | 1.94 | 5.32 | 7.44 | | | | | | 127.19 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 121.98 | 58.65 | 95.57 | 14.98 | 19.29 | 4.24 | 12.27 | 19.34 | NS | NS | NS | NS | NS | 43.29 |
| 21SEP | SE | 12.07 | 16.98 | 43.01 | 3.65 | 6.62 | 1.41 | 6.48 | 6.46 | | | | | | 49.26 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 33.32 | 81.32 | 41.43 | 22.33 | 6.12 | 0.57 | 1.24 | 0.00 | NS | NS | NS | NS | NS | 23.29 |
| 05OCT | SE | 14.09 | 13.14 | 22.10 | 7.43 | 2.01 | 0.57 | 0.82 | 0.00 | | | | | | 30.33 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-72 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-72 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 316 |
| 15JUN | SE | 0 | 0 | 0 | 316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 316 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 3156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 3404 |
| 22JUN | SE | 3156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 3166 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 9851 | 5999 | 5006 | 633 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21488 |
| 29JUN | SE | 2989 | 2719 | 1426 | 308 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4296 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 46342 | 42603 | 210998 | 30618 | 48750 | 648 | 108 | 356 | NS | NS | NS | NS | NS | 380423 |
| 13JUL | SE | 11277 | 11077 | 44546 | 3497 | 13002 | 393 | 81 | 356 | | | | | | 49150 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 142503 | 208770 | 1109915 | 357154 | 57910 | 3650 | 426 | 1169 | NS | NS | NS | NS | NS | 1881497 |
| 27JUL | SE | 65859 | 68435 | 245437 | 123333 | 21230 | 2160 | 292 | 480 | | | | | | 291423 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 88207 | 109648 | 492087 | 29083 | 11970 | 2897 | 305 | 7136 | NS | NS | NS | NS | NS | 741333 |
| 10AUG | SE | 30127 | 24208 | 170092 | 6825 | 1726 | 978 | 117 | 3376 | | | | | | 174605 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 45361 | 95993 | 188334 | 46566 | 31679 | 1706 | 4824 | 28478 | NS | NS | NS | NS | NS | 442940 |
| 24AUG | SE | 13199 | 22031 | 42363 | 15696 | 8862 | 675 | 2020 | 12908 | | | | | | 54316 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 65548 | 27922 | 81961 | 17240 | 14332 | 1264 | 1848 | 8393 | NS | NS | NS | NS | NS | 218508 |
| 07SEP | SE | 17847 | 8087 | 25285 | 4674 | 4071 | 402 | 744 | 2219 | | | | | | 32670 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 25494 | 13456 | 30755 | 2213 | 4019 | 880 | 1715 | 5766 | NS | NS | NS | NS | NS | 84299 |
| 21SEP | SE | 2522 | 3896 | 13842 | 540 | 1379 | 293 | 905 | 1925 | | | | | | 14831 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 6965 | 18656 | 13334 | 3299 | 1275 | 118 | 173 | 0 | NS | NS | NS | NS | NS | 43819 |
| 05OCT | SE | 2945 | 3015 | 7111 | 1097 | 418 | 118 | 114 | 0 | | | | | | 8351 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-73 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-73 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.02 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.17 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 1.84 | 40.82 | 10.12 | 10.29 | 0.00 | 0.04 | 2.33 | NS | NS | NS | NS | NS | 8.18 |
| 27JUL | SE | 0.00 | 1.84 | 12.94 | 4.77 | 3.98 | 0.00 | 0.04 | 1.33 | | | | | | 14.53 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 13.47 | 151.43 | 417.57 | 79.41 | 13.12 | 3.68 | 3.97 | 12.50 | NS | NS | NS | NS | NS | 86.89 |
| 10AUG | SE | 9.88 | 68.98 | 123.57 | 23.66 | 6.35 | 1.96 | 1.33 | 7.23 | | | | | | 144.17 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 45.40 | 140.50 | 209.78 | 59.44 | 20.94 | 0.10 | 6.04 | 12.54 | NS | NS | NS | NS | NS | 61.84 |
| 24AUG | SE | 17.10 | 44.15 | 62.68 | 19.69 | 8.09 | 0.10 | 4.82 | 10.05 | | | | | | 82.14 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 137.91 | 322.78 | 338.24 | 303.90 | 151.75 | 31.57 | 82.12 | 15.12 | NS | NS | NS | NS | NS | 172.92 |
| 07SEP | SE | 22.41 | 81.33 | 86.05 | 89.34 | 51.81 | 7.51 | 23.20 | 3.78 | | | | | | 160.61 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 243.15 | 429.64 | 268.69 | 68.81 | 91.92 | 64.32 | 193.15 | 107.19 | NS | NS | NS | NS | NS | 183.36 |
| 21SEP | SE | 58.56 | 61.34 | 63.54 | 24.58 | 25.26 | 29.49 | 66.35 | 29.94 | | | | | | 136.53 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 81.86 | 283.10 | 292.22 | 134.85 | 75.26 | 23.58 | 36.35 | 10.26 | NS | NS | NS | NS | NS | 117.19 |
| 05OCT | SE | 23.63 | 68.80 | 42.58 | 33.82 | 33.99 | 8.44 | 8.81 | 6.13 | | | | | | 97.93 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-74 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-74 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 26 |
| 13JUL | SE | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | | | | | | 26 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 421 | 13137 | 1496 | 2143 | 0 | 5 | 696 | NS | NS | NS | NS | NS | 17898 |
| 27JUL | SE | 0 | 421 | 4164 | 705 | 829 | 0 | 5 | 397 | | | | | | 4343 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 2815 | 34741 | 134379 | 11732 | 2733 | 764 | 555 | 3727 | NS | NS | NS | NS | NS | 191445 |
| 10AUG | SE | 2064 | 15825 | 39767 | 3496 | 1322 | 406 | 186 | 2155 | | | | | | 43069 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 9489 | 32234 | 67511 | 8782 | 4362 | 20 | 844 | 3739 | NS | NS | NS | NS | NS | 126980 |
| 24AUG | SE | 3573 | 10128 | 20170 | 2909 | 1684 | 20 | 674 | 2995 | | | | | | 23300 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 28825 | 74051 | 108850 | 44898 | 31616 | 6549 | 11479 | 4506 | NS | NS | NS | NS | NS | 310775 |
| 07SEP | SE | 4684 | 18658 | 27693 | 13199 | 10793 | 1558 | 3243 | 1128 | | | | | | 37972 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 50820 | 98567 | 86468 | 10165 | 19150 | 13343 | 27001 | 31957 | NS | NS | NS | NS | NS | 337472 |
| 21SEP | SE | 12240 | 14073 | 20447 | 3631 | 5263 | 6117 | 9275 | 8927 | | | | | | 31780 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 17110 | 64949 | 94041 | 19922 | 15680 | 4892 | 5081 | 3058 | NS | NS | NS | NS | NS | 224733 |
| 05OCT | SE | 4940 | 15784 | 13703 | 4997 | 7082 | 1751 | 1232 | 1827 | | | | | | 23331 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-75 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 08JUL | SE | | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 3.67 | 2.71 | 0.29 | 0.00 | 0.27 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 |
| 20JUL | SE | 0.00 | 0.00 | 1.22 | 0.68 | 0.29 | 0.00 | 0.24 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 1.20 | 4.91 | 35.95 | 99.16 | 70.20 | 2.59 | 16.64 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.87 |
| 03AUG | SE | 0.67 | 2.34 | 7.39 | 20.51 | 19.66 | 0.99 | 9.51 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.98 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 1.63 | 56.16 | 74.50 | 56.03 | 37.00 | 4.53 | 23.89 | 19.71 | 0.97 | 1.61 | 0.82 | 0.00 | 0.00 | 21.30 |
| 17AUG | SE | 0.51 | 30.37 | 35.77 | 11.42 | 7.20 | 1.77 | 7.21 | 13.60 | 0.43 | 1.33 | 0.82 | 0.00 | 0.00 | 51.25 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 8.54 | 15.17 | 79.27 | 65.82 | 136.04 | 13.34 | 61.07 | 11.25 | 16.50 | 14.18 | 1.43 | 4.57 | 0.00 | 32.86 |
| 31AUG | SE | 2.31 | 5.63 | 15.36 | 11.53 | 38.68 | 5.59 | 11.71 | 2.50 | 4.27 | 3.80 | 0.01 | 1.96 | 0.00 | 45.97 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 11.27 | 20.36 | 44.70 | 50.65 | 57.88 | 65.65 | 24.11 | 26.73 | 5.69 | 11.73 | 6.00 | 9.84 | 0.00 | 25.74 |
| 14SEP | SE | 3.17 | 8.01 | 15.03 | 9.97 | 14.53 | 16.14 | 7.79 | 12.63 | 1.74 | 4.25 | 6.00 | 9.84 | 0.00 | 35.29 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 5.32 | 28.19 | 28.83 | 10.53 | 4.58 | 8.09 | 88.21 | 16.98 | 5.80 | 5.95 | 0.90 | 0.00 | 0.00 | 15.64 |
| 28SEP | SE | 1.77 | 7.96 | 7.32 | 3.41 | 1.78 | 1.85 | 19.99 | 2.26 | 1.52 | 1.63 | 0.78 | 0.00 | 0.00 | 23.42 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 3.65 | 45.81 | 36.66 | 39.98 | 23.53 | 13.64 | 7.08 | 5.50 | 1.41 | 0.28 | 0.00 | 0.11 | 0.00 | 13.67 |
| 12OCT | SE | 1.04 | 19.77 | 8.97 | 12.81 | 8.99 | 2.28 | 3.44 | 2.74 | 0.64 | 0.28 | 0.00 | 0.11 | 0.00 | 27.25 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.48 | 0.25 | 1.25 | 0.48 | 0.60 | 0.02 | 0.12 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 |
| 26OCT | SE | 0.20 | 0.12 | 0.81 | 0.26 | 0.29 | 0.02 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.04 | 5.83 | 1.08 | 1.30 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 |
| 09NOV | SE | 0.03 | 1.47 | 0.49 | 0.44 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.02 | 0.15 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 30NOV | SE | 0.02 | 0.10 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-76 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| 08JUL | SE | . | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 1181 | 400 | 61 | 0 | 38 | 146 | 0 | 0 | 0 | 0 | 0 | 1827 |
| 20JUL | SE | 0 | 0 | 394 | 101 | 60 | 0 | 34 | 105 | 0 | 0 | 0 | 0 | 0 | 425 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 252 | 1126 | 11570 | 14650 | 14626 | 538 | 2327 | 486 | 0 | 0 | 0 | 0 | 0 | 45575 |
| 03AUG | SE | 140 | 537 | 2377 | 3030 | 4096 | 206 | 1329 | 223 | 0 | 0 | 0 | 0 | 0 | 5812 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 341 | 12885 | 23976 | 8277 | 7709 | 941 | 3340 | 5875 | 161 | 228 | 144 | 0 | 0 | 63879 |
| 17AUG | SE | 106 | 6968 | 11511 | 1687 | 1501 | 367 | 1008 | 4054 | 71 | 188 | 144 | 0 | 0 | 14276 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 1784 | 3481 | 25511 | 9724 | 28343 | 2767 | 8536 | 3355 | 2731 | 2006 | 253 | 734 | 0 | 89225 |
| 31AUG | SE | 482 | 1292 | 4944 | 1704 | 8058 | 1160 | 1636 | 745 | 707 | 538 | 2 | 314 | 0 | 9982 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 2355 | 4672 | 14386 | 7483 | 12059 | 13619 | 3370 | 7969 | 942 | 1659 | 1058 | 1581 | 0 | 71152 |
| 14SEP | SE | 664 | 1839 | 4838 | 1473 | 3028 | 3348 | 1088 | 3765 | 288 | 601 | 1058 | 1581 | 0 | 8318 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 1111 | 6466 | 9277 | 1555 | 954 | 1679 | 12332 | 5061 | 960 | 842 | 159 | 0 | 0 | 40396 |
| 28SEP | SE | 371 | 1826 | 2354 | 504 | 370 | 384 | 2794 | 674 | 252 | 231 | 137 | 0 | 0 | 4236 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 763 | 10510 | 11799 | 5907 | 4902 | 2830 | 990 | 1641 | 233 | 40 | 0 | 18 | 0 | 39633 |
| 12OCT | SE | 217 | 4536 | 2887 | 1893 | 1873 | 472 | 480 | 816 | 106 | 40 | 0 | 18 | 0 | 6098 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 101 | 57 | 404 | 71 | 124 | 5 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 784 |
| 26OCT | SE | 42 | 28 | 262 | 38 | 60 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 276 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 9 | 1337 | 347 | 192 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1906 |
| 09NOV | SE | 6 | 338 | 157 | 65 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 379 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 4 | 35 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| 30NOV | SE | 4 | 23 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-77 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 15JUN | SE | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.25 | 2.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 |
| 27JUL | SE | 0.00 | 0.15 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.25 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 10AUG | SE | 0.00 | 0.25 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.40 | 0.33 | 1.29 | 0.40 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 |
| 23AUG | SE | 0.40 | 0.22 | 1.29 | 0.24 | 3.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.59 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 1.79 | 0.29 | 6.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.74 |
| 07SEP | SE | 0.00 | 0.81 | 0.16 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 4.78 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 29.40 | 70.13 | 0.07 | 20.20 | 20.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.67 |
| 20SEP | SE | 14.99 | 55.96 | 0.07 | 20.20 | 17.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63.82 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 7.60 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 |
| 05OCT | SE | 7.10 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.21 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 2.00 | 6.54 | 7.21 | 8.40 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 |
| 18OCT | SE | 2.00 | 4.28 | 5.74 | 5.80 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.44 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-78 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 15JUN | SE | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 11 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| 27JUL | SE | 0 | 7 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 11 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 10AUG | SE | 0 | 11 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 3 | 15 | 35 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| 23AUG | SE | 3 | 10 | 35 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 81 | 8 | 59 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 152 |
| 07SEP | SE | 0 | 37 | 4 | 43 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 57 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 221 | 3186 | 2 | 186 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3649 |
| 20SEP | SE | 113 | 2542 | 2 | 186 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2552 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 57 | 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 |
| 05OCT | SE | 53 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 15 | 297 | 194 | 77 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 585 |
| 18OCT | SE | 15 | 195 | 154 | 53 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 255 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-79 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.61 | 3.35 | 1.81 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 |
| 12MAY | SE | 0.61 | 1.55 | 0.62 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 2.19 | 3.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| 19MAY | SE | 1.72 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.29 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 5.33 | 20.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 |
| 26MAY | SE | 1.07 | 6.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.27 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 1.17 | 5.78 | 5.81 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 |
| 02JUN | SE | 0.53 | 2.03 | 1.77 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-79 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 17.32 | 18.07 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 |
| 08JUN | SE | 5.44 | 8.59 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.34 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 4.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 |
| 15JUN | SE | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 2.01 | 0.46 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 |
| 22JUN | SE | 0.95 | 0.31 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 11.65 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 |
| 29JUN | SE | 0.00 | 4.92 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.92 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.68 | 19.47 | 3.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 2.91 |
| 13JUL | SE | 0.68 | 9.77 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 9.88 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 6.83 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 1.14 |
| 27JUL | SE | 0.00 | 4.45 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 4.60 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 7.03 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.97 |
| 10AUG | SE | 3.55 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 3.58 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 16.12 | 19.03 | 11.07 | 6.59 | 1.49 | 0.00 | 0.00 | 0.23 | NS | NS | NS | NS | NS | 6.82 |
| 24AUG | SE | 9.70 | 5.49 | 3.38 | 2.04 | 0.42 | 0.00 | 0.00 | 0.23 | | | | | | 11.83 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 1.57 | 0.23 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.36 |
| 07SEP | SE | 1.57 | 0.23 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 1.75 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 2.55 | 3.46 | 0.94 | 0.38 | 0.16 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.94 |
| 21SEP | SE | 2.55 | 1.57 | 0.69 | 0.22 | 0.12 | 0.00 | 0.00 | 0.00 | | | | | | 3.08 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 1.02 | 0.27 | 0.87 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.29 |
| 05OCT | SE | 1.02 | 0.27 | 0.71 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 1.29 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-80 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 127 | 769 | 584 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1542 |
| 12MAY | SE | 127 | 357 | 201 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 431 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 459 | 712 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1170 |
| 19MAY | SE | 360 | 348 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 501 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 1113 | 4598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5711 |
| 26MAY | SE | 223 | 1418 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1436 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 244 | 1325 | 1869 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3534 |
| 02JUN | SE | 110 | 466 | 570 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 748 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-80 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 3620 | 4145 | 1206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8971 |
| 08JUN | SE | 1138 | 1972 | 587 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2351 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 1134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1134 |
| 15JUN | SE | 0 | 299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 299 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 420 | 106 | 987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1512 |
| 22JUN | SE | 199 | 71 | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 335 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 2673 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2746 |
| 29JUN | SE | 0 | 1129 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1130 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 141 | 4468 | 1011 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 5620 |
| 13JUL | SE | 141 | 2241 | 426 | 0 | 0 | 0 | 0 | 0 | | | | | | 2286 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 1567 | 741 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 2308 |
| 27JUL | SE | 0 | 1021 | 369 | 0 | 0 | 0 | 0 | 0 | | | | | | 1086 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 1469 | 162 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1631 |
| 10AUG | SE | 742 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 750 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 3369 | 4365 | 3564 | 974 | 311 | 0 | 0 | 68 | NS | NS | NS | NS | NS | 12650 |
| 24AUG | SE | 2026 | 1259 | 1087 | 301 | 87 | 0 | 0 | 68 | | | | | | 2641 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 328 | 54 | 357 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 740 |
| 07SEP | SE | 328 | 54 | 232 | 0 | 0 | 0 | 0 | 0 | | | | | | 406 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 533 | 794 | 302 | 56 | 32 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1718 |
| 21SEP | SE | 533 | 359 | 223 | 33 | 26 | 0 | 0 | 0 | | | | | | 682 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 214 | 61 | 280 | 24 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 579 |
| 05OCT | SE | 214 | 61 | 229 | 24 | 0 | 0 | 0 | 0 | | | | | | 320 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-81 REGIONAL DENSITY (NO./1,000m3) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| 08JUL | SE | | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.02 | 0.47 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| 20JUL | SE | 0.02 | 0.47 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 5.47 | 3.01 | 0.32 | 0.56 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 |
| 03AUG | SE | 4.15 | 2.22 | 0.14 | 0.37 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.12 | 0.32 | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 17AUG | SE | 0.06 | 0.08 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.22 | 0.66 | 0.44 | 0.25 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| 31AUG | SE | 0.09 | 0.26 | 0.19 | 0.12 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.20 | 0.25 | 0.12 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 14SEP | SE | 0.10 | 0.10 | 0.09 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.55 | 0.37 | 0.41 | 0.24 | 0.02 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 |
| 28SEP | SE | 0.32 | 0.30 | 0.34 | 0.16 | 0.02 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.48 | 1.69 | 0.84 | 0.41 | 0.03 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| 12OCT | SE | 0.30 | 0.59 | 0.40 | 0.23 | 0.03 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 1.56 | 0.94 | 0.69 | 0.14 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| 26OCT | SE | 0.51 | 0.26 | 0.19 | 0.12 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.08 | 0.69 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 09NOV | SE | 0.06 | 0.21 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 30NOV | SE | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-82 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 295 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 295 |
| 08JUL | SE | . | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 5 | 109 | 230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 344 |
| 20JUL | SE | 5 | 109 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 153 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 1144 | 691 | 101 | 83 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2082 |
| 03AUG | SE | 867 | 509 | 45 | 55 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1010 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 24 | 72 | 17 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 |
| 17AUG | SE | 13 | 19 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 46 | 151 | 141 | 37 | 226 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 601 |
| 31AUG | SE | 19 | 60 | 62 | 18 | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 42 | 58 | 38 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 139 |
| 14SEP | SE | 20 | 23 | 28 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 115 | 85 | 132 | 35 | 5 | 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 484 |
| 28SEP | SE | 67 | 69 | 111 | 23 | 5 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 99 | 388 | 271 | 61 | 6 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 879 |
| 12OCT | SE | 63 | 135 | 128 | 34 | 6 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 327 | 215 | 221 | 21 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 801 |
| 26OCT | SE | 106 | 59 | 60 | 18 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 17 | 158 | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 272 |
| 09NOV | SE | 13 | 49 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 30NOV | SE | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-83 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 15JUN | SE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 28JUN | SE | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 12JUL | SE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 10AUG | SE | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 07SEP | SE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-84 REGIONAL STANDING CROP (IN THOUSANDS) OF BAY ANCHOVY YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 15JUN | SE | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 28JUN | SE | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 12JUL | SE | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 10AUG | SE | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07SEP | SE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-85 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 1.09 | 0.11 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.55 | 0.61 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 0.27 | 0.00 | 0.45 | 0.21 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 0.27 | 0.00 | 0.27 | 1.18 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.34 | 30.10 | 26.82 | 4.45 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.34 | 7.44 | 10.88 | 13.19 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.25 | 27.40 | 0.35 | 32.12 | 1095.03 | 88.92 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.25 | 21.08 | 0.35 | 11.75 | 437.93 | 438.60 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.07 | 1.54 | 1088.02 | 23.13 | 87.14 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.06 | 1.19 | 276.03 | 8.84 | 276.83 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 9.04 | 0.00 | 0.20 | 76.36 | 769.85 | 65.85 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 9.04 | 0.00 | 0.20 | 43.51 | 319.94 | 323.01 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 6.62 | 355.13 | 25.44 | 29.88 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 5.70 | 141.19 | 7.87 | 141.52 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 1.76 | 77.08 | 82.89 | 12.77 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 | 1.76 | 59.78 | 74.36 | 95.44 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-85 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.14 | 0.00 | 9.31 | 25.14 | 29.24 | 4.92 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.14 | 0.00 | 7.05 | 8.84 | 22.66 | 25.33 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 35.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 3.80 | 3.17 |
| 15JUN | SE | 35.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 2.27 | 36.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.04 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.55 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 0.16 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 1.06 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-86 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 36 | 0 | 0 | 78 | 131 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 36 | 0 | 0 | 39 | 56 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 292 | 47 | 0 | 32 | 371 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 158 | 47 | 0 | 19 | 166 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 60 | 4838 | 1908 | 6891 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 60 | 1195 | 774 | 1428 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | 42 | 3877 | 61 | 5162 | 77910 | 87280 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | 42 | 2983 | 61 | 1889 | 31159 | 31359 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2840 | 271 | 174879 | 1646 | 179636 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2697 | 209 | 44366 | 629 | 44453 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170 | 1496 | 0 | 35 | 12273 | 54774 | 68749 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139 | 1496 | 0 | 35 | 6993 | 22763 | 23860 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 171 | 1167 | 57080 | 1810 | 60229 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 1005 | 22693 | 560 | 22722 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 611 | 310 | 12388 | 5898 | 19207 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 259 | 310 | 9609 | 5290 | 10977 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-86 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 24 | 0 | 1642 | 4040 | 2080 | 7812 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 24 | 0 | 1243 | 1421 | 1613 | 2483 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 7507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231 | 270 | 8008 |
| 15JUN | SE | 7507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 162 | 7509 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 97 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 97 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 151 | 151 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 76 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-87 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.03 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.40 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.54 | 31.69 | 21.35 | 10.78 | 2.07 | 6.96 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.25 | 7.91 | 11.60 | 4.80 | 1.05 | 17.52 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 2.79 | 9.69 | 6.90 | 4.97 | 1.88 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 1.79 | 1.90 | 2.36 | 2.10 | 4.10 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.80 | 15.04 | 8.73 | 3.35 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.00 | 10.64 | 4.85 | 18.25 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-87 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.31 | 40.25 | 3.73 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.31 | 23.65 | 25.07 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 1.05 | 0.28 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.05 | 1.91 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-88 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 57 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 57 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4060 | 4483 | 3764 | 1733 | 147 | 14187 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1531 | 1119 | 2046 | 771 | 74 | 2895 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 394 | 1709 | 1108 | 353 | 3590 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 254 | 334 | 379 | 149 | 585 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3491 | 2418 | 621 | 6531 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2469 | 1711 | 345 | 3023 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-88 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1335 | 2863 | 4199 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1335 | 1683 | 2148 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 221 | 74 | 465 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 168 | 74 | 250 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-89 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.83 | 15.84 | 6.85 | 0.80 | 0.00 | 2.49 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.89 | 5.21 | 0.80 | 0.00 | 12.15 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.19 | 8.40 | 26.72 | 5.80 | 48.68 | 3.08 | 0.80 | 0.00 | 7.24 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.19 | 5.26 | 21.58 | 1.94 | 32.64 | 2.34 | 0.80 | 0.00 | 39.60 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 1.46 | 3.17 | 3.12 | 0.49 | 1.06 | 0.00 | 0.00 | 21.88 | 12.10 | 1.74 | 3.05 | 3.70 |
| 02JUN | SE | 0.00 | 0.00 | 1.19 | 2.16 | 1.74 | 0.22 | 0.62 | 0.00 | 0.00 | 17.13 | 10.21 | 1.74 | 3.05 | 20.48 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-89 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.17 | 0.00 | 1.21 | 30.95 | 20.03 | 4.62 | 4.84 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.39 | 0.00 | 1.21 | 16.57 | 20.03 | 4.62 | 26.79 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.40 | 1.43 | 31.15 | 10.29 | 3.21 | 4.31 | 23.45 | 2.43 | 1.74 | 4.43 | 3.06 | 0.00 | 6.61 |
| 15JUN | SE | 0.00 | 0.40 | 0.89 | 29.36 | 7.72 | 3.06 | 2.27 | 18.56 | 1.37 | 1.06 | 1.64 | 2.15 | 0.00 | 35.94 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.36 | 1.98 | 0.83 | 0.35 | 1.23 | 0.78 | 0.11 | 12.26 | 14.83 | 5.78 | 0.00 | 2.96 |
| 22JUN | SE | 0.00 | 0.00 | 0.36 | 0.68 | 0.53 | 0.24 | 0.69 | 0.64 | 0.11 | 7.32 | 9.01 | 4.01 | 0.00 | 12.36 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.63 | 3.98 | 10.06 | 19.97 | 15.79 | 85.58 | 52.23 | 14.54 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.36 | 2.12 | 5.50 | 10.67 | 6.53 | 15.17 | 12.98 | 24.30 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.53 | NS | NS | NS | NS | NS | 0.20 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.53 | | | | | | 1.53 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-90 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1461 | 2242 | 1208 | 129 | 0 | 5040 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1258 | 1116 | 918 | 129 | 0 | 1920 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 101 | 39 | 1174 | 7965 | 960 | 6886 | 542 | 129 | 0 | 17795 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 64 | 39 | 736 | 6432 | 322 | 4617 | 413 | 129 | 0 | 7971 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 471 | 469 | 650 | 102 | 148 | 0 | 0 | 3096 | 2133 | 279 | 217 | 7563 |
| 02JUN | SE | 0 | 0 | 381 | 320 | 363 | 47 | 86 | 0 | 0 | 2423 | 1801 | 279 | 217 | 3103 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-90 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1838 | 0 | 171 | 5456 | 3219 | 329 | 11013 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1309 | 0 | 171 | 2922 | 3219 | 329 | 4555 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 91 | 459 | 4603 | 2144 | 665 | 603 | 6991 | 402 | 246 | 780 | 492 | 0 | 17476 |
| 15JUN | SE | 0 | 91 | 287 | 4338 | 1609 | 636 | 317 | 5532 | 227 | 150 | 289 | 346 | 0 | 7272 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 115 | 292 | 173 | 73 | 172 | 232 | 19 | 1735 | 2614 | 929 | 0 | 6355 |
| 22JUN | SE | 0 | 0 | 115 | 100 | 111 | 49 | 97 | 190 | 19 | 1036 | 1588 | 645 | 0 | 2024 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 114 | 0 | 0 | 88 | 1187 | 1665 | 2825 | 2783 | 13755 | 3716 | 26135 |
| 29JUN | SE | 0 | 0 | 0 | 114 | 0 | 0 | 50 | 631 | 910 | 1509 | 1151 | 2439 | 924 | 3413 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 457 | NS | NS | NS | NS | NS | 463 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 457 | | | | | | 457 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-91 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-91 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.73 | 2.98 | 0.52 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.73 | 1.98 | 4.23 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 2.00 | NS | NS | NS | NS | NS | 0.30 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.98 | | | | | | 1.03 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 1.61 | 0.53 | 0.07 | 0.52 | 0.79 | 1.08 | NS | NS | NS | NS | NS | 0.57 |
| 27JUL | SE | 0.00 | 0.00 | 0.96 | 0.53 | 0.07 | 0.31 | 0.54 | 0.77 | | | | | | 1.48 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.95 | 0.20 | 0.72 | 1.02 | 0.06 | 0.75 | 0.97 | 0.00 | NS | NS | NS | NS | NS | 0.58 |
| 10AUG | SE | 0.95 | 0.12 | 0.72 | 0.38 | 0.06 | 0.59 | 0.50 | 0.00 | | | | | | 1.47 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.35 | 0.34 | 0.00 | 0.19 | 0.81 | 0.24 | NS | NS | NS | NS | NS | 0.24 |
| 24AUG | SE | 0.00 | 0.00 | 0.26 | 0.20 | 0.00 | 0.19 | 0.43 | 0.24 | | | | | | 0.62 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.14 | 0.56 | 0.59 | 0.23 | 0.38 | 0.25 | NS | NS | NS | NS | NS | 0.27 |
| 07SEP | SE | 0.00 | 0.00 | 0.14 | 0.19 | 0.36 | 0.23 | 0.31 | 0.25 | | | | | | 0.63 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.31 | 0.31 | 0.00 | 0.12 | 0.92 | 0.00 | 0.46 | NS | NS | NS | NS | NS | 0.27 |
| 21SEP | SE | 0.00 | 0.31 | 0.31 | 0.00 | 0.12 | 0.33 | 0.00 | 0.46 | | | | | | 0.73 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.37 | 0.07 | 0.24 | 0.86 | 0.50 | NS | NS | NS | NS | NS | 0.26 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.37 | 0.05 | 0.14 | 0.50 | 0.25 | | | | | | 0.69 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-92 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-92 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 | 212 | 812 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 | 141 | 616 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 596 | NS | NS | NS | NS | NS | 655 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 293 | | | | | | 297 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 517 | 78 | 14 | 109 | 111 | 321 | NS | NS | NS | NS | NS | 1149 |
| 27JUL | SE | 0 | 0 | 310 | 78 | 14 | 65 | 75 | 229 | | | | | | 406 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 199 | 45 | 231 | 151 | 13 | 156 | 136 | 0 | NS | NS | NS | NS | NS | 930 |
| 10AUG | SE | 199 | 28 | 231 | 56 | 13 | 122 | 69 | 0 | | | | | | 341 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 113 | 50 | 0 | 40 | 113 | 71 | NS | NS | NS | NS | NS | 387 |
| 24AUG | SE | 0 | 0 | 82 | 29 | 0 | 40 | 61 | 71 | | | | | | 134 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 43 | 83 | 124 | 48 | 53 | 75 | NS | NS | NS | NS | NS | 425 |
| 07SEP | SE | 0 | 0 | 43 | 28 | 76 | 48 | 43 | 75 | | | | | | 134 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 71 | 101 | 0 | 25 | 191 | 0 | 137 | NS | NS | NS | NS | NS | 525 |
| 21SEP | SE | 0 | 71 | 101 | 0 | 25 | 68 | 0 | 137 | | | | | | 198 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 55 | 15 | 49 | 121 | 149 | NS | NS | NS | NS | NS | 390 |
| 05OCT | SE | 0 | 0 | 0 | 55 | 9 | 28 | 69 | 75 | | | | | | 120 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-93 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.33 | 0.31 | 2.94 | 19.16 | 5.63 | 0.41 | 2.40 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.33 | 0.31 | 0.72 | 8.86 | 1.61 | 0.30 | 9.04 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.03 | 0.05 | 0.31 | 0.21 | 0.83 | 0.82 | 0.68 | 3.28 | 1.45 | 3.09 | 0.44 | 0.86 |
| 20JUL | SE | 0.00 | 0.00 | 0.03 | 0.04 | 0.29 | 0.19 | 0.35 | 0.63 | 0.60 | 0.55 | 0.34 | 1.34 | 0.26 | 1.82 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.20 | 1.20 | 0.20 | 0.91 | 0.06 | 0.65 | 0.34 | 0.19 | 0.00 | 0.06 | 0.24 | 1.53 | 0.42 | 0.46 |
| 03AUG | SE | 0.09 | 0.91 | 0.06 | 0.35 | 0.03 | 0.42 | 0.27 | 0.16 | 0.00 | 0.06 | 0.17 | 0.47 | 0.42 | 1.29 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.05 | 0.02 | 0.18 | 0.09 | 0.98 | 0.21 | 0.06 | 0.04 | 0.10 | 0.23 | 1.41 | 5.34 | 0.73 | 0.73 |
| 17AUG | SE | 0.03 | 0.02 | 0.10 | 0.04 | 0.42 | 0.19 | 0.04 | 0.03 | 0.03 | 0.09 | 0.73 | 2.14 | 0.61 | 2.39 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.02 | 0.22 | 0.26 | 0.55 | 0.02 | 0.61 | 0.19 | 0.03 | 0.11 | 1.08 | 2.57 | 0.57 | 0.48 |
| 31AUG | SE | 0.00 | 0.02 | 0.07 | 0.08 | 0.24 | 0.01 | 0.16 | 0.16 | 0.03 | 0.06 | 0.73 | 1.31 | 0.30 | 1.57 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.05 | 0.05 | 0.01 | 0.02 | 0.04 | 0.01 | 0.06 | 0.06 | 0.43 | 2.44 | 3.09 | 0.48 |
| 14SEP | SE | 0.00 | 0.00 | 0.04 | 0.03 | 0.01 | 0.01 | 0.03 | 0.01 | 0.04 | 0.06 | 0.27 | 1.35 | 1.25 | 1.86 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.02 | 0.00 | 0.08 | 0.03 | 0.03 | 0.39 | 0.05 | 0.02 | 0.35 | 0.20 | 1.12 | 0.38 | 0.21 |
| 28SEP | SE | 0.00 | 0.02 | 0.00 | 0.04 | 0.02 | 0.02 | 0.14 | 0.03 | 0.02 | 0.15 | 0.13 | 0.13 | 0.27 | 0.39 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.03 | 0.00 | 0.06 | 0.00 | 0.31 | 0.02 | 0.09 | 0.06 | 0.17 | 0.18 | 0.31 | 1.33 | 0.66 | 0.25 |
| 12OCT | SE | 0.03 | 0.00 | 0.04 | 0.00 | 0.26 | 0.01 | 0.07 | 0.02 | 0.07 | 0.11 | 0.31 | 0.83 | 0.43 | 1.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.19 | 0.29 | 0.01 | 0.00 | 0.08 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 26OCT | SE | 0.00 | 0.00 | 0.19 | 0.09 | 0.01 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.10 | 0.13 | 1.42 | 0.19 | 0.00 | 0.00 | 0.21 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| 09NOV | SE | 0.07 | 0.05 | 1.13 | 0.12 | 0.00 | 0.00 | 0.08 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-94 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 9 | 97 | 52 | 416 | 3378 | 904 | 29 | 4886 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 9 | 97 | 52 | 101 | 1561 | 258 | 21 | 1590 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 9 | 8 | 64 | 44 | 116 | 245 | 113 | 463 | 255 | 497 | 31 | 1844 |
| 20JUL | SE | 0 | 0 | 9 | 6 | 60 | 40 | 49 | 187 | 100 | 78 | 60 | 216 | 19 | 331 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 41 | 276 | 65 | 134 | 13 | 134 | 48 | 56 | 0 | 8 | 42 | 245 | 30 | 1092 |
| 03AUG | SE | 18 | 209 | 21 | 52 | 7 | 88 | 38 | 49 | 0 | 8 | 30 | 76 | 30 | 257 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 11 | 6 | 57 | 13 | 204 | 44 | 9 | 12 | 16 | 32 | 248 | 859 | 52 | 1561 |
| 17AUG | SE | 7 | 6 | 33 | 6 | 87 | 40 | 5 | 8 | 5 | 13 | 129 | 344 | 44 | 384 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 5 | 71 | 38 | 116 | 5 | 85 | 57 | 5 | 16 | 190 | 413 | 41 | 1043 |
| 31AUG | SE | 0 | 5 | 24 | 11 | 49 | 3 | 22 | 49 | 5 | 9 | 128 | 211 | 21 | 260 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 16 | 8 | 1 | 4 | 6 | 4 | 9 | 8 | 76 | 392 | 220 | 744 |
| 14SEP | SE | 0 | 0 | 11 | 5 | 1 | 3 | 5 | 4 | 7 | 8 | 48 | 217 | 89 | 240 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 6 | 0 | 12 | 7 | 7 | 55 | 16 | 3 | 50 | 35 | 179 | 27 | 398 |
| 28SEP | SE | 0 | 6 | 0 | 7 | 4 | 4 | 20 | 9 | 3 | 21 | 22 | 20 | 19 | 48 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 7 | 0 | 18 | 0 | 65 | 3 | 13 | 17 | 28 | 25 | 55 | 213 | 47 | 491 |
| 12OCT | SE | 7 | 0 | 12 | 0 | 53 | 2 | 9 | 7 | 12 | 16 | 55 | 134 | 31 | 160 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 60 | 43 | 2 | 0 | 11 | 0 | 2 | 0 | 0 | 0 | 0 | 118 |
| 26OCT | SE | 0 | 0 | 60 | 13 | 2 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 61 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 20 | 30 | 457 | 27 | 0 | 0 | 30 | 39 | 0 | 0 | 0 | 0 | 0 | 603 |
| 09NOV | SE | 14 | 11 | 363 | 17 | 0 | 0 | 11 | 34 | 0 | 0 | 0 | 0 | 0 | 365 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-95 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | 1.38 | 0.00 | 0.13 | 0.73 | 0.00 | 0.00 | 0.46 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 1.02 | 0.00 | 0.13 | 0.41 | 0.00 | 0.00 | 2.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.14 | 2.00 | 2.33 | 1.33 | 13.38 | 6.38 | 1.63 | 1.67 | 7.68 | 2.83 | 3.28 |
| 28JUN | SE | 0.00 | 0.00 | 0.14 | 1.15 | 0.88 | 1.33 | 7.08 | 2.76 | 0.56 | 0.75 | 2.21 | 1.93 | 8.43 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.67 | 10.67 | 94.00 | 15.50 | 28.63 | 4.75 | 9.80 | 26.74 | 6.50 | 16.44 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.33 | 2.91 | 56.77 | 6.54 | 12.15 | 1.69 | 4.63 | 14.84 | 3.40 | 60.64 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.46 | 0.29 | 6.80 | 14.40 | 44.67 | 14.80 | 4.60 | 22.80 | 6.11 | 11.10 | 5.14 | 10.93 |
| 27JUL | SE | 0.00 | 0.23 | 0.22 | 6.06 | 5.50 | 22.66 | 7.14 | 1.91 | 10.65 | 2.23 | 3.35 | 2.91 | 27.81 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.54 | 0.14 | 5.20 | 5.00 | 30.17 | 7.60 | 4.20 | 16.00 | 5.56 | 62.00 | 13.57 | 12.50 |
| 10AUG | SE | 0.00 | 0.37 | 0.14 | 3.28 | 1.55 | 6.32 | 2.16 | 2.24 | 3.51 | 2.90 | 29.03 | 4.96 | 30.84 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.25 | 1.86 | 6.80 | 12.20 | 17.17 | 8.40 | 4.80 | 12.60 | 10.67 | 7.80 | 18.00 | 8.38 |
| 23AUG | SE | 0.00 | 0.12 | 0.70 | 2.69 | 4.40 | 3.28 | 3.50 | 1.71 | 4.86 | 2.20 | 2.52 | 5.21 | 10.73 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.17 | 2.07 | 2.40 | 21.80 | 18.67 | 15.40 | 4.40 | 12.80 | 6.11 | 5.10 | 2.71 | 7.64 |
| 07SEP | SE | 0.00 | 0.13 | 1.13 | 0.68 | 12.27 | 5.35 | 11.52 | 2.25 | 6.14 | 1.86 | 1.05 | 1.13 | 19.03 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.13 | 0.00 | 2.60 | 3.80 | 10.33 | 6.80 | 2.60 | 10.00 | 7.67 | 12.60 | 4.71 | 5.10 |
| 20SEP | SE | 0.00 | 0.09 | 0.00 | 1.54 | 2.15 | 4.20 | 6.08 | 1.78 | 5.22 | 3.95 | 4.08 | 3.40 | 11.65 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.17 | 3.29 | 1.20 | 1.60 | 7.50 | 1.00 | 2.60 | 7.20 | 6.67 | 7.50 | 1.43 | 3.35 |
| 05OCT | SE | 0.00 | 0.13 | 2.23 | 0.49 | 1.12 | 4.75 | 1.00 | 2.60 | 3.68 | 2.25 | 2.67 | 0.95 | 7.97 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.60 | 1.83 | 1.29 | 4.80 | 1.00 | 5.17 | 5.40 | 0.20 | 3.00 | 2.11 | 1.20 | 0.14 | 2.23 |
| 18OCT | SE | 0.60 | 0.39 | 0.41 | 1.66 | 1.00 | 1.45 | 2.73 | 0.20 | 2.51 | 0.93 | 0.73 | 0.14 | 4.66 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-96 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 9 | 0 | 10 | 0 | 1 | 13 | 0 | 0 | 32 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 1 | 7 | 0 | 0 | 11 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 4 | 18 | 6 | 14 | 95 | 8 | 14 | 29 | 151 | 38 | 378 |
| 28JUN | SE | 0 | 0 | 4 | 11 | 2 | 14 | 50 | 3 | 5 | 13 | 43 | 26 | 75 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 6 | 28 | 1001 | 110 | 35 | 41 | 172 | 526 | 88 | 2008 |
| 12JUL | SE | 0 | 0 | 0 | 3 | 8 | 605 | 46 | 15 | 15 | 81 | 292 | 46 | 680 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 21 | 8 | 63 | 38 | 476 | 105 | 6 | 196 | 107 | 218 | 70 | 1307 |
| 27JUL | SE | 0 | 11 | 6 | 56 | 14 | 241 | 51 | 2 | 92 | 39 | 66 | 39 | 283 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 25 | 4 | 48 | 13 | 321 | 54 | 5 | 138 | 98 | 1220 | 184 | 2110 |
| 10AUG | SE | 0 | 17 | 4 | 30 | 4 | 67 | 15 | 3 | 30 | 51 | 571 | 67 | 583 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 11 | 50 | 63 | 32 | 183 | 60 | 6 | 108 | 187 | 153 | 245 | 1098 |
| 23AUG | SE | 0 | 6 | 19 | 25 | 12 | 35 | 25 | 2 | 42 | 39 | 49 | 71 | 117 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 8 | 56 | 22 | 57 | 199 | 109 | 5 | 110 | 107 | 100 | 37 | 811 |
| 07SEP | SE | 0 | 6 | 30 | 6 | 32 | 57 | 82 | 3 | 53 | 33 | 21 | 15 | 128 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 6 | 0 | 24 | 10 | 110 | 48 | 3 | 86 | 135 | 248 | 64 | 734 |
| 20SEP | SE | 0 | 4 | 0 | 14 | 6 | 45 | 43 | 2 | 45 | 69 | 80 | 46 | 140 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 8 | 88 | 11 | 4 | 80 | 7 | 3 | 62 | 117 | 148 | 19 | 547 |
| 05OCT | SE | 0 | 6 | 60 | 5 | 3 | 51 | 7 | 3 | 32 | 40 | 53 | 13 | 109 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 5 | 83 | 35 | 44 | 3 | 55 | 38 | < 0.5 | 26 | 37 | 24 | 2 | 351 |
| 18OCT | SE | 5 | 18 | 11 | 15 | 3 | 15 | 19 | < 0.5 | 22 | 16 | 14 | 2 | 48 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-97 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-97 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-98 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-98 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-99 REGIONAL DENSITY (NO./1,000m3) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | < 0.005 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 09NOV | SE | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-100 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 09NOV | SE | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-101 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.08 | 0.07 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.08 | 0.68 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 28JUN | SE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-102 REGIONAL STANDING CROP (IN THOUSANDS) OF AMERICAN SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 6 | 0 | 0 | 0 | < 0.5 | 0 | 0 | 0 | 1 | 7 |
| 15JUN | SE | 0 | 0 | 0 | 6 | 0 | 0 | 0 | < 0.5 | 0 | 0 | 0 | 1 | 6 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 28JUN | SE | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-103 REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.04 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.48 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.05 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.48 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 0.00 | 11.62 | 0.98 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 5.56 | 5.59 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.69 | 36.91 | 13.82 | 3.96 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.69 | 15.04 | 3.84 | 15.54 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.43 | 0.00 | 15.97 | 47.88 | 4.96 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.43 | 0.00 | 7.48 | 17.26 | 18.82 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.30 | 0.67 | 12.84 | 885.53 | 355.88 | 96.56 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.30 | 0.67 | 3.32 | 62.27 | 157.80 | 169.68 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 4.54 | 0.00 | 0.18 | 0.39 | 0.00 | 2.08 | 177.27 | 0.12 | 0.00 | 0.00 | 3.01 | 968.72 | 4062.01 | 401.41 |
| 19MAY | SE | 4.54 | 0.00 | 0.18 | 0.39 | 0.00 | 2.08 | 177.25 | 0.12 | 0.00 | 0.00 | 2.50 | 475.82 | 2238.04 | 2294.92 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 57.91 | 0.10 | 0.00 | 0.11 | 0.00 | 0.49 | 189.16 | 1839.22 | 956.62 | 234.12 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 57.50 | 0.10 | 0.00 | 0.11 | 0.00 | 0.49 | 163.98 | 363.35 | 433.91 | 592.02 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.93 | 0.19 | 0.00 | 4.33 | 13.44 | 3.52 | 168.67 | 1447.17 | 127.48 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.51 | 0.19 | 0.00 | 3.08 | 10.67 | 3.52 | 70.19 | 1138.92 | 1141.31 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-103 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 | 0.00 | 0.00 | 0.39 | 0.00 | 14.14 | 21.29 | 61.90 | 7.78 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 | 0.00 | 0.00 | 0.39 | 0.00 | 8.34 | 15.39 | 21.93 | 28.26 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.02 | 0.00 | 39.40 | 15.42 | 1.29 | 4.78 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.05 | 0.00 | 39.40 | 6.97 | 0.92 | 40.34 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-104 REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 76 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 76 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 46 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 34 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 189 | 0 | 827 | 1016 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 | 0 | 395 | 410 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 121 | 5932 | 984 | 7058 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 121 | 2418 | 273 | 2437 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 61 | 0 | 2567 | 3407 | 6075 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 61 | 0 | 1202 | 1228 | 1720 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 50 | 95 | 2263 | 142332 | 25321 | 170098 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 50 | 95 | 586 | 10010 | 11228 | 15053 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 948 | 0 | 59 | 57 | 0 | 431 | 24781 | 35 | 0 | 0 | 530 | 155705 | 289008 | 471555 |
| 19MAY | SE | 948 | 0 | 59 | 57 | 0 | 431 | 24777 | 35 | 0 | 0 | 441 | 76479 | 159234 | 178381 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 0 | 0 | 0 | 12065 | 21 | 0 | 34 | 0 | 70 | 33348 | 295621 | 68063 | 409221 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 11978 | 21 | 0 | 34 | 0 | 70 | 28909 | 58401 | 30872 | 73096 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 4135 | 27 | 0 | 716 | 1902 | 620 | 27111 | 102965 | 137476 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 4047 | 27 | 0 | 509 | 1510 | 620 | 11282 | 81033 | 81933 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-104 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 703 | 0 | 0 | 65 | 0 | 2493 | 3422 | 4404 | 11086 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 703 | 0 | 0 | 65 | 0 | 1471 | 2473 | 1560 | 3348 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 997 | 0 | 6946 | 2478 | 92 | 10513 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 835 | 0 | 6946 | 1120 | 66 | 7086 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-105 REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.06 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.42 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.09 | 0.38 | 0.00 | 0.40 | 1.04 | 0.75 | 0.55 | 0.25 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.07 | 0.38 | 0.00 | 0.40 | 0.60 | 0.51 | 0.40 | 1.04 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.30 | 0.88 | 5.79 | 4.10 | 16.45 | 6.93 | 9.16 | 11.07 | 21.03 | 64.25 | 10.77 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.21 | 0.46 | 0.92 | 0.97 | 3.61 | 1.77 | 4.20 | 3.92 | 4.19 | 16.47 | 18.44 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.80 | 0.30 | 2.22 | 11.42 | 0.00 | 13.84 | 4.66 | 9.93 | 221.39 | 100.36 | 591.95 | 464.71 | 12.32 | 110.30 |
| 19MAY | SE | 0.80 | 0.30 | 1.18 | 11.42 | 0.00 | 13.84 | 4.14 | 7.72 | 100.26 | 55.41 | 263.89 | 203.86 | 10.77 | 353.32 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.38 | 0.00 | 5.15 | 19.32 | 31.67 | 15.61 | 27.86 | 81.99 | 115.09 | 45.88 | 143.68 | 37.43 |
| 26MAY | SE | 0.00 | 0.00 | 0.24 | 0.00 | 4.36 | 6.03 | 11.70 | 8.43 | 5.59 | 16.25 | 10.04 | 6.70 | 66.86 | 71.93 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 11.53 | 11.36 | 2.30 | 5.67 | 32.72 | 128.57 | 169.28 | 150.35 | 39.40 |
| 02JUN | SE | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 7.57 | 5.00 | 1.89 | 5.67 | 18.52 | 69.11 | 60.95 | 76.58 | 121.73 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-105 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 1.81 | 3.09 | 38.53 | 11.13 | 124.50 | 70.65 | 57.27 | 442.23 | 368.48 | 3065.94 | 321.82 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.88 | 1.90 | 18.67 | 6.83 | 55.57 | 22.04 | 22.30 | 292.16 | 165.96 | 1227.50 | 1274.41 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.41 | 0.53 | 2.30 | 9.93 | 0.03 | 1.26 | 2.75 | 0.00 | 4.33 | 1.51 | 0.00 | 0.00 | 8.41 | 2.42 |
| 15JUN | SE | 0.41 | 0.53 | 0.96 | 7.13 | 0.03 | 1.05 | 2.14 | 0.00 | 2.86 | 0.66 | 0.00 | 0.00 | 3.84 | 9.01 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.24 | 0.11 | 0.78 | 1.75 | 0.00 | 0.58 | 9.00 | 0.00 | 2.70 | 0.36 | 1.19 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.24 | 0.11 | 0.78 | 1.01 | 0.00 | 0.58 | 4.06 | 0.00 | 1.35 | 0.36 | 4.52 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.49 | 0.00 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 0.36 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.35 | 0.00 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 3.97 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | NS | NS | NS | NS | NS | 0.10 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | | | | | | 0.77 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-106 REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 23 | 0 | 0 | 39 | 0 | 0 | 0 | 59 | 0 | 0 | 120 |
| 27APR | SE | 0 | 0 | 0 | 23 | 0 | 0 | 29 | 0 | 0 | 0 | 59 | 0 | 0 | 69 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 10 | 0 | 13 | 114 | 0 | 56 | 183 | 120 | 39 | 534 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 10 | 0 | 9 | 114 | 0 | 56 | 106 | 81 | 28 | 187 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 44 | 184 | 1201 | 572 | 4904 | 1147 | 1296 | 1952 | 3381 | 4572 | 19253 |
| 12MAY | SE | 0 | 0 | 0 | 31 | 96 | 192 | 136 | 1078 | 293 | 594 | 691 | 674 | 1172 | 1993 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 168 | 68 | 714 | 1688 | 0 | 2871 | 652 | 2960 | 36636 | 14197 | 104357 | 74694 | 877 | 239882 |
| 19MAY | SE | 168 | 68 | 380 | 1688 | 0 | 2871 | 578 | 2302 | 16592 | 7839 | 46523 | 32767 | 766 | 59935 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 123 | 0 | 1074 | 4008 | 4428 | 4654 | 4610 | 11599 | 20290 | 7375 | 10223 | 68383 |
| 26MAY | SE | 0 | 0 | 78 | 0 | 909 | 1251 | 1635 | 2512 | 925 | 2300 | 1771 | 1077 | 4757 | 6667 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 98 | 0 | 0 | 0 | 2392 | 1587 | 685 | 938 | 4628 | 22667 | 27208 | 10697 | 70901 |
| 02JUN | SE | 0 | 98 | 0 | 0 | 0 | 1571 | 698 | 562 | 938 | 2619 | 12185 | 9796 | 5449 | 16886 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-106 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 267 | 643 | 7992 | 1557 | 37118 | 11691 | 8102 | 77964 | 59226 | 218139 | 422699 |
| 08JUN | SE | 0 | 0 | 0 | 129 | 396 | 3872 | 955 | 16568 | 3647 | 3154 | 51507 | 26676 | 87335 | 106329 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 86 | 121 | 739 | 1467 | 7 | 261 | 384 | 0 | 716 | 213 | 0 | 0 | 599 | 4591 |
| 15JUN | SE | 86 | 121 | 309 | 1053 | 7 | 217 | 299 | 0 | 473 | 94 | 0 | 0 | 273 | 1293 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 36 | 23 | 161 | 245 | 0 | 95 | 1274 | 0 | 435 | 26 | 2294 |
| 22JUN | SE | 0 | 0 | 0 | 36 | 23 | 161 | 142 | 0 | 95 | 574 | 0 | 217 | 26 | 659 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 47 | 0 | 68 | 0 | 0 | 558 | 0 | 0 | 0 | 673 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 40 | 0 | 49 | 0 | 0 | 558 | 0 | 0 | 0 | 562 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 229 | NS | NS | NS | NS | NS | 229 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 229 | | | | | | 229 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-107 REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 27APR | SE | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.13 | 0.31 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.13 | 0.31 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 2.35 | 0.73 | 2.19 | 3.68 | 7.22 | 2.33 | 2.75 | 7.19 | 4.53 | 3.93 | 2.84 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.73 | 0.32 | 1.21 | 1.74 | 3.40 | 0.92 | 1.57 | 2.33 | 3.81 | 3.35 | 7.15 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 112.83 | 118.33 | 5.50 | 5.47 | 33.05 | 333.12 | 463.60 | 2679.47 | 2030.15 | 839.77 | 242.43 | 45.10 | 0.38 | 531.48 |
| 19MAY | SE | 65.27 | 95.24 | 2.01 | 2.81 | 8.97 | 105.79 | 306.26 | 697.65 | 802.66 | 177.79 | 89.98 | 21.16 | 0.38 | 1135.58 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 112.02 | 38.57 | 275.14 | 750.88 | 1060.54 | 262.48 | 2088.21 | 707.20 | 240.57 | 393.79 | 55.77 | 14.05 | 5.83 | 461.93 |
| 26MAY | SE | 76.95 | 16.25 | 148.43 | 190.38 | 158.57 | 42.01 | 588.67 | 496.63 | 44.73 | 80.37 | 12.06 | 4.20 | 2.27 | 832.57 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 229.90 | 71.62 | 33.28 | 181.61 | 463.90 | 273.42 | 134.70 | 1121.90 | 4976.37 | 15066.45 | 5393.67 | 2497.07 | 144.19 | 2352.93 |
| 02JUN | SE | 65.22 | 39.14 | 12.16 | 49.87 | 118.26 | 102.74 | 29.93 | 521.48 | 1264.97 | 3897.89 | 1925.86 | 944.68 | 71.39 | 4658.96 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-107 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 104.02 | 118.70 | 39.26 | 121.26 | 803.35 | 2083.45 | 5826.68 | 5260.64 | 2985.32 | 1378.90 | 7612.30 | 7839.15 | 2560.92 | 2825.69 |
| 08JUN | SE | 26.21 | 29.71 | 7.14 | 18.72 | 359.83 | 259.40 | 1102.82 | 1200.95 | 1071.86 | 449.30 | 1933.02 | 898.63 | 820.24 | 3070.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 102.14 | 98.11 | 486.07 | 608.69 | 458.33 | 380.53 | 927.38 | 701.56 | 271.95 | 88.53 | 53.74 | 48.49 | 4.17 | 325.36 |
| 15JUN | SE | 11.60 | 23.76 | 114.63 | 115.28 | 99.27 | 93.44 | 168.98 | 503.57 | 95.74 | 33.65 | 19.20 | 15.21 | 1.43 | 582.03 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 50.17 | 30.86 | 73.80 | 153.76 | 408.33 | 54.82 | 156.20 | 444.41 | 95.62 | 335.89 | 83.37 | 430.89 | 10.24 | 179.11 |
| 22JUN | SE | 4.75 | 5.91 | 13.02 | 29.70 | 151.46 | 9.78 | 49.09 | 376.86 | 31.61 | 103.96 | 49.81 | 226.03 | 2.73 | 483.70 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 45.42 | 36.35 | 25.19 | 84.18 | 157.06 | 84.81 | 45.10 | 60.59 | 158.03 | 699.76 | 139.88 | 461.73 | 371.53 | 182.28 |
| 29JUN | SE | 17.34 | 10.05 | 5.32 | 13.13 | 25.05 | 31.98 | 13.57 | 23.01 | 40.05 | 183.11 | 32.08 | 144.50 | 122.78 | 274.01 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 15.24 | 9.22 | 15.16 | 22.40 | 17.89 | 22.88 | 44.73 | 418.39 | NS | NS | NS | NS | NS | 70.74 |
| 13JUL | SE | 7.22 | 7.08 | 5.13 | 3.90 | 4.09 | 6.02 | 14.44 | 160.71 | | | | | | 161.96 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.23 | 6.01 | 7.42 | 6.37 | 21.55 | 34.45 | 21.96 | NS | NS | NS | NS | NS | 12.25 |
| 27JUL | SE | 0.00 | 0.23 | 3.41 | 4.05 | 2.60 | 8.05 | 11.55 | 10.19 | | | | | | 18.35 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | NS | NS | NS | NS | NS | 0.16 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | | | | | | 1.30 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.03 |
| 24AUG | SE | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.25 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 11.25 | 5.72 | 2.46 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 2.46 |
| 21SEP | SE | 5.11 | 2.80 | 1.63 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | | | | | | 6.06 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-108 REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 236 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 236 |
| 27APR | SE | 0 | 0 | 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 118 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 19 | 26 | 43 | 111 | 0 | 0 | 0 | 0 | 0 | 200 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 11 | 26 | 43 | 111 | 0 | 0 | 0 | 0 | 0 | 123 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 347 | 153 | 454 | 515 | 2153 | 386 | 388 | 1268 | 728 | 279 | 6672 |
| 12MAY | SE | 0 | 0 | 0 | 108 | 67 | 251 | 244 | 1013 | 152 | 222 | 410 | 613 | 238 | 1355 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 23582 | 27147 | 1770 | 807 | 6886 | 69108 | 64807 | 798840 | 335959 | 118802 | 42739 | 7249 | 27 | 1497722 |
| 19MAY | SE | 13643 | 21850 | 648 | 415 | 1868 | 21947 | 42812 | 207993 | 132828 | 25152 | 15864 | 3401 | 27 | 254523 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 23414 | 8850 | 88545 | 110932 | 220950 | 54453 | 291913 | 210840 | 39811 | 55709 | 9832 | 2258 | 415 | 1117922 |
| 26MAY | SE | 16084 | 3728 | 47768 | 28126 | 33036 | 8715 | 82291 | 148062 | 7403 | 11370 | 2126 | 676 | 162 | 182746 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 48051 | 16432 | 10711 | 26830 | 96647 | 56723 | 18830 | 334477 | 823513 | 2131449 | 950881 | 401359 | 10259 | 4926162 |
| 02JUN | SE | 13633 | 8980 | 3914 | 7367 | 24638 | 21313 | 4184 | 155470 | 209332 | 551434 | 339520 | 151840 | 5079 | 715430 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-108 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 21741 | 27232 | 12634 | 17915 | 167368 | 432223 | 814518 | 1568374 | 494025 | 195072 | 1342016 | 1260000 | 182207 | 6535326 |
| 08JUN | SE | 5479 | 6816 | 2297 | 2765 | 74966 | 53815 | 154164 | 358045 | 177376 | 63562 | 340784 | 144438 | 58360 | 580062 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 21349 | 22508 | 156423 | 89926 | 95487 | 78944 | 129640 | 209160 | 45003 | 12524 | 9474 | 7793 | 297 | 878528 |
| 15JUN | SE | 2424 | 5451 | 36890 | 17032 | 20681 | 19384 | 23622 | 150132 | 15844 | 4761 | 3384 | 2445 | 101 | 160869 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 10487 | 7080 | 23750 | 22716 | 85070 | 11372 | 21836 | 132495 | 15824 | 47519 | 14697 | 69258 | 729 | 462832 |
| 22JUN | SE | 993 | 1356 | 4190 | 4388 | 31555 | 2029 | 6862 | 112355 | 5231 | 14707 | 8781 | 36330 | 194 | 123898 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 9493 | 8339 | 8106 | 12436 | 32721 | 17595 | 6304 | 18065 | 26151 | 98995 | 24660 | 74214 | 26434 | 363513 |
| 29JUN | SE | 3624 | 2307 | 1714 | 1940 | 5220 | 6634 | 1897 | 6861 | 6628 | 25904 | 5655 | 23226 | 8736 | 38856 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 3185 | 2115 | 4879 | 3309 | 3728 | 4747 | 6253 | 124737 | NS | NS | NS | NS | NS | 152953 |
| 13JUL | SE | 1509 | 1624 | 1651 | 576 | 853 | 1249 | 2019 | 47912 | | | | | | 48062 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 54 | 1933 | 1096 | 1328 | 4470 | 4815 | 6547 | NS | NS | NS | NS | NS | 20244 |
| 27JUL | SE | 0 | 54 | 1096 | 598 | 541 | 1670 | 1614 | 3037 | | | | | | 4059 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 387 | NS | NS | NS | NS | NS | 387 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 387 | | | | | | 387 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 82 |
| 24AUG | SE | 0 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | | | | | | 82 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 2351 | 1313 | 790 | 0 | 0 | 49 | 0 | 0 | NS | NS | NS | NS | NS | 4503 |
| 21SEP | SE | 1069 | 643 | 524 | 0 | 0 | 49 | 0 | 0 | | | | | | 1354 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-109 REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-109 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 3.96 | 0.00 | 0.00 | 0.39 | 0.39 | 1.05 | NS | NS | NS | NS | NS | 0.72 |
| 13JUL | SE | 0.00 | 0.00 | 3.96 | 0.00 | 0.00 | 0.23 | 0.28 | 0.75 | | | | | | 4.04 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | NS | NS | NS | NS | NS | 0.06 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | | | | | | 0.46 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.72 |
| 21SEP | SE | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 5.75 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-110 REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 0 | 67 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 0 | 67 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-110 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 1273 | 0 | 0 | 82 | 55 | 314 | NS | NS | NS | NS | NS | 1724 |
| 13JUL | SE | 0 | 0 | 1273 | 0 | 0 | 47 | 39 | 224 | | | | | | 1294 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138 | NS | NS | NS | NS | NS | 138 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138 | | | | | | 138 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 1201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1201 |
| 21SEP | SE | 1201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 1201 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-111 REGIONAL DENSITY (NO./1,000m3) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.14 | 0.00 | 0.39 | 1.00 | 0.45 | 15.10 | 7.40 | 4.39 | 21.51 | 23.17 | 21.95 | 3.79 | 8.27 |
| 08JUL | SE | | 0.14 | 0.00 | 0.22 | 0.68 | 0.28 | 10.68 | 2.03 | 1.77 | 5.17 | 11.77 | 7.86 | 2.83 | 18.89 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.03 | 0.00 | 0.00 | 0.00 | 0.30 | 12.02 | 15.24 | 9.77 | 7.83 | 41.70 | 12.40 | 33.93 | 0.89 | 10.32 |
| 20JUL | SE | 0.03 | 0.00 | 0.00 | 0.00 | 0.29 | 4.92 | 6.50 | 2.52 | 3.58 | 19.04 | 1.77 | 13.47 | 0.35 | 25.16 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 5.46 | 13.26 | 8.65 | 7.08 | 9.65 | 5.23 | 4.82 | 4.21 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 4.07 | 4.56 | 6.27 | 1.35 | 3.95 | 0.98 | 2.70 | 10.13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.29 | 0.72 | 1.40 | 3.34 | 3.23 | 10.88 | 2.58 | 2.89 | 1.97 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.29 | 0.54 | 0.52 | 1.49 | 2.10 | 8.56 | 0.68 | 2.65 | 9.38 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.11 | 0.27 | 0.18 | 0.30 | 0.00 | 0.08 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.04 | 0.27 | 0.18 | 0.30 | 0.00 | 0.48 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.02 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.26 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-112 REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 33 | 0 | 58 | 209 | 92 | 2111 | 2205 | 726 | 3043 | 4086 | 3529 | 269 | 16361 |
| 08JUL | SE | . | 33 | 0 | 32 | 141 | 57 | 1493 | 604 | 293 | 731 | 2076 | 1263 | 201 | 3031 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 6 | 0 | 0 | 0 | 62 | 2493 | 2131 | 2913 | 1296 | 5899 | 2185 | 5453 | 63 | 22503 |
| 20JUL | SE | 6 | 0 | 0 | 0 | 61 | 1021 | 909 | 752 | 592 | 2693 | 312 | 2165 | 25 | 3851 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 121 | 764 | 3952 | 1432 | 1001 | 1701 | 841 | 343 | 10154 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 86 | 569 | 1361 | 1037 | 191 | 697 | 157 | 192 | 1961 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 55 | 61 | 101 | 417 | 553 | 457 | 1917 | 415 | 206 | 4181 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 55 | 61 | 76 | 155 | 246 | 297 | 1509 | 109 | 188 | 1584 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 18 | 38 | 31 | 49 | 0 | 187 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 6 | 38 | 31 | 49 | 0 | 86 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 37 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 37 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-113 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.11 |
| 15JUN | SE | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.60 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.09 | 0.57 | 5.00 | 1.00 | 0.00 | 2.63 | 0.38 | 0.13 | 0.13 | 5.05 | 0.08 | 1.25 |
| 28JUN | SE | 0.00 | 0.09 | 0.30 | 2.08 | 0.58 | 0.00 | 1.56 | 0.26 | 0.13 | 0.13 | 2.96 | 0.08 | 4.01 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 1.91 | 0.00 | 0.33 | 10.67 | 30.00 | 88.38 | 3.38 | 2.00 | 9.20 | 60.16 | 0.83 | 17.24 |
| 12JUL | SE | 0.00 | 1.91 | 0.00 | 0.33 | 10.17 | 15.95 | 83.74 | 1.56 | 1.35 | 5.26 | 31.60 | 0.41 | 91.68 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.60 | 15.40 | 3.00 | 40.60 | 22.60 | 16.40 | 28.89 | 16.90 | 7.29 | 12.64 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.60 | 15.40 | 1.59 | 23.90 | 2.93 | 11.47 | 10.86 | 5.03 | 2.86 | 33.21 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.40 | 2.60 | 17.00 | 3.89 | 21.60 | 0.86 | 3.88 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.40 | 2.36 | 9.22 | 2.56 | 14.66 | 0.86 | 17.69 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 4.60 | 4.00 | 5.60 | 8.22 | 11.10 | 6.71 | 3.39 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 4.12 | 4.00 | 2.38 | 3.26 | 3.31 | 2.58 | 8.18 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.44 | 0.10 | 0.00 | 0.08 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.44 | 0.10 | 0.00 | 0.61 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-114 REGIONAL STANDING CROP (IN THOUSANDS) OF ALOSA SPP. YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 9 | 0 | 15 |
| 15JUN | SE | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 0 | 8 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 4 | 15 | 46 | 3 | 0 | 19 | < 0.5 | 1 | 2 | 99 | 1 | 191 |
| 28JUN | SE | 0 | 4 | 8 | 19 | 2 | 0 | 11 | < 0.5 | 1 | 2 | 58 | 1 | 63 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 87 | 0 | 3 | 28 | 320 | 627 | 4 | 17 | 162 | 1184 | 11 | 2442 |
| 12JUL | SE | 0 | 87 | 0 | 3 | 27 | 170 | 594 | 2 | 12 | 92 | 622 | 6 | 886 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 6 | 41 | 32 | 288 | 28 | 141 | 507 | 333 | 99 | 1474 |
| 27JUL | SE | 0 | 0 | 0 | 6 | 41 | 17 | 170 | 4 | 99 | 191 | 99 | 39 | 297 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 146 | 68 | 425 | 12 | 659 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 79 | 45 | 288 | 12 | 303 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 5 | 33 | 5 | 48 | 144 | 218 | 91 | 545 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 5 | 20 | 57 | 65 | 35 | 100 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 13 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 8 | 2 | 0 | 9 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-115 REGIONAL DENSITY (NO./1,000m3) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-115 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 0.08 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 1.10 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.23 | 0.17 | 0.52 | 0.00 | 2.32 | 18.79 | NS | NS | NS | NS | NS | 2.75 |
| 13JUL | SE | 0.00 | 0.00 | 0.23 | 0.17 | 0.48 | 0.00 | 1.33 | 9.40 | | | | | | 9.51 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.86 | 4.53 | 1.76 | 8.38 | 5.02 | NS | NS | NS | NS | NS | 2.57 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.65 | 4.07 | 1.11 | 2.81 | 2.34 | | | | | | 5.62 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.86 | 0.87 | 0.78 | 0.00 | 0.00 | 1.18 | 0.24 | NS | NS | NS | NS | NS | 0.49 |
| 10AUG | SE | 0.00 | 0.74 | 0.52 | 0.48 | 0.00 | 0.00 | 0.54 | 0.24 | | | | | | 1.18 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.40 | 0.16 | 0.22 | 0.30 | 0.60 | 3.90 | NS | NS | NS | NS | NS | 0.70 |
| 24AUG | SE | 0.00 | 0.00 | 0.40 | 0.16 | 0.22 | 0.19 | 0.27 | 1.46 | | | | | | 1.57 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 1.07 | 1.08 | 0.00 | 0.21 | 0.00 | 0.33 | 0.46 | 1.66 | NS | NS | NS | NS | NS | 0.60 |
| 07SEP | SE | 1.07 | 0.92 | 0.00 | 0.21 | 0.00 | 0.11 | 0.31 | 0.93 | | | | | | 1.73 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.31 | 0.00 | 0.37 | 0.00 | 0.11 | 0.88 | 1.23 | NS | NS | NS | NS | NS | 0.36 |
| 21SEP | SE | 0.00 | 0.31 | 0.00 | 0.21 | 0.00 | 0.11 | 0.45 | 0.67 | | | | | | 0.90 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 1.29 | 0.87 | 0.51 | NS | NS | NS | NS | NS | 0.39 |
| 05OCT | SE | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.69 | 0.50 | 0.25 | | | | | | 1.01 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-116 REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-116 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 78 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 78 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 75 | 26 | 107 | 0 | 324 | 5601 | NS | NS | NS | NS | NS | 6134 |
| 13JUL | SE | 0 | 0 | 75 | 26 | 100 | 0 | 186 | 2802 | | | | | | 2811 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 127 | 944 | 365 | 1172 | 1498 | NS | NS | NS | NS | NS | 4106 |
| 27JUL | SE | 0 | 0 | 0 | 96 | 848 | 231 | 393 | 698 | | | | | | 1193 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 197 | 281 | 116 | 0 | 0 | 165 | 72 | NS | NS | NS | NS | NS | 830 |
| 10AUG | SE | 0 | 171 | 167 | 70 | 0 | 0 | 75 | 72 | | | | | | 270 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 128 | 23 | 46 | 62 | 84 | 1161 | NS | NS | NS | NS | NS | 1505 |
| 24AUG | SE | 0 | 0 | 128 | 23 | 46 | 40 | 37 | 434 | | | | | | 459 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 223 | 249 | 0 | 31 | 0 | 69 | 64 | 495 | NS | NS | NS | NS | NS | 1130 |
| 07SEP | SE | 223 | 211 | 0 | 31 | 0 | 23 | 44 | 279 | | | | | | 418 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 71 | 0 | 54 | 0 | 23 | 124 | 366 | NS | NS | NS | NS | NS | 638 |
| 21SEP | SE | 0 | 71 | 0 | 31 | 0 | 23 | 63 | 200 | | | | | | 224 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 154 | 0 | 0 | 268 | 121 | 151 | NS | NS | NS | NS | NS | 693 |
| 05OCT | SE | 0 | 0 | 154 | 0 | 0 | 142 | 70 | 75 | | | | | | 233 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-117 REGIONAL DENSITY (NO./1,000m3) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.02 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.05 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.02 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.41 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.02 | 0.22 | 0.31 | 0.20 | 1.48 | 0.37 | 0.03 | 0.66 | 3.55 | 3.29 | 0.00 | 0.78 |
| 20JUL | SE | 0.00 | 0.00 | 0.02 | 0.18 | 0.26 | 0.20 | 0.71 | 0.21 | 0.02 | 0.36 | 2.67 | 1.28 | 0.00 | 3.10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.03 | 0.00 | 0.21 | 0.17 | 0.06 | 0.57 | 0.61 | 1.08 | 0.67 | 0.96 | 2.52 | 0.92 | 0.17 | 0.61 |
| 03AUG | SE | 0.03 | 0.00 | 0.19 | 0.17 | 0.03 | 0.39 | 0.28 | 0.45 | 0.39 | 0.44 | 0.73 | 0.31 | 0.17 | 1.22 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.03 | 0.02 | 0.20 | 0.03 | 0.37 | 0.40 | 0.24 | 0.93 | 0.10 | 0.30 | 1.69 | 0.11 | 0.09 | 0.35 |
| 17AUG | SE | 0.03 | 0.02 | 0.11 | 0.03 | 0.30 | 0.26 | 0.19 | 0.44 | 0.04 | 0.18 | 1.44 | 0.11 | 0.09 | 1.59 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.09 | 0.10 | 0.15 | 0.03 | 0.02 | 0.44 | 0.94 | 0.03 | 0.28 | 3.23 | 0.10 | 0.00 | 0.42 |
| 31AUG | SE | 0.00 | 0.07 | 0.05 | 0.10 | 0.02 | 0.01 | 0.16 | 0.53 | 0.02 | 0.14 | 2.02 | 0.10 | 0.00 | 2.10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 | 0.02 | 0.07 | 0.03 | 0.60 | 0.30 | 1.17 | 1.07 | 0.00 | 0.26 |
| 14SEP | SE | 0.00 | 0.00 | 0.03 | 0.03 | 0.02 | 0.01 | 0.06 | 0.03 | 0.40 | 0.18 | 0.47 | 0.44 | 0.00 | 0.78 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.05 | 0.22 | 0.17 | 0.03 | 0.03 | 0.07 | 0.26 | 0.25 | 1.47 | 2.31 | 0.90 | 0.10 | 0.45 |
| 28SEP | SE | 0.00 | 0.04 | 0.12 | 0.12 | 0.03 | 0.02 | 0.04 | 0.17 | 0.07 | 0.31 | 1.58 | 0.57 | 0.10 | 1.73 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.03 | 0.05 | 0.02 | 0.34 | 0.05 | 0.08 | 0.30 | 0.99 | 0.63 | 0.12 | 0.00 | 0.20 |
| 12OCT | SE | 0.00 | 0.00 | 0.03 | 0.03 | 0.02 | 0.25 | 0.05 | 0.04 | 0.12 | 0.44 | 0.22 | 0.12 | 0.00 | 0.58 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.04 | 0.17 | 0.02 | 0.20 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 26OCT | SE | 0.00 | 0.03 | 0.08 | 0.02 | 0.07 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.26 | 0.16 | 0.00 | 0.02 | 0.00 | 0.32 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.06 |
| 09NOV | SE | 0.00 | 0.12 | 0.10 | 0.00 | 0.01 | 0.00 | 0.14 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.21 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.02 | 0.07 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 30NOV | SE | 0.02 | 0.02 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-118 REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 73 | 0 | 2 | 0 | 0 | 34 | 0 | 0 | 0 | 109 |
| 08JUL | SE | . | 0 | 0 | 0 | 69 | 0 | 2 | 0 | 0 | 34 | 0 | 0 | 0 | 77 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 7 | 33 | 65 | 42 | 207 | 109 | 5 | 93 | 627 | 528 | 0 | 1717 |
| 20JUL | SE | 0 | 0 | 7 | 26 | 55 | 42 | 99 | 64 | 4 | 51 | 470 | 206 | 0 | 534 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 6 | 0 | 67 | 25 | 12 | 118 | 85 | 321 | 110 | 136 | 445 | 147 | 12 | 1484 |
| 03AUG | SE | 6 | 0 | 60 | 25 | 6 | 80 | 39 | 133 | 65 | 63 | 129 | 50 | 12 | 240 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 6 | 6 | 65 | 4 | 78 | 82 | 33 | 276 | 16 | 42 | 298 | 17 | 6 | 930 |
| 17AUG | SE | 6 | 6 | 36 | 4 | 62 | 54 | 27 | 131 | 7 | 25 | 254 | 17 | 6 | 303 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 21 | 32 | 22 | 6 | 3 | 61 | 280 | 6 | 39 | 570 | 17 | 0 | 1056 |
| 31AUG | SE | 0 | 16 | 15 | 15 | 4 | 2 | 22 | 158 | 4 | 20 | 355 | 17 | 0 | 391 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 10 | 4 | 6 | 3 | 10 | 9 | 100 | 42 | 207 | 172 | 0 | 563 |
| 14SEP | SE | 0 | 0 | 10 | 4 | 4 | 2 | 8 | 9 | 66 | 26 | 82 | 70 | 0 | 130 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 12 | 70 | 25 | 7 | 5 | 9 | 78 | 42 | 207 | 407 | 145 | 7 | 1014 |
| 28SEP | SE | 0 | 8 | 38 | 18 | 6 | 4 | 6 | 50 | 12 | 44 | 278 | 92 | 7 | 304 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 9 | 8 | 4 | 71 | 8 | 25 | 50 | 140 | 112 | 20 | 0 | 446 |
| 12OCT | SE | 0 | 0 | 9 | 5 | 4 | 53 | 8 | 11 | 20 | 62 | 39 | 20 | 0 | 96 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 10 | 54 | 4 | 42 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 134 |
| 26OCT | SE | 0 | 7 | 26 | 4 | 15 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 60 | 53 | 0 | 4 | 0 | 45 | 5 | 0 | 3 | 0 | 0 | 0 | 171 |
| 09NOV | SE | 0 | 27 | 31 | 0 | 3 | 0 | 20 | 5 | 0 | 3 | 0 | 0 | 0 | 47 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 4 | 16 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| 30NOV | SE | 4 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-119 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | < 0.005 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.05 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 3.27 | 1.14 | 1.33 | 0.33 | 0.67 | 0.13 | 0.25 | 0.38 | 0.20 | 1.42 | 0.00 | 0.76 |
| 12JUL | SE | 0.00 | 2.28 | 1.14 | 0.67 | 0.33 | 0.67 | 0.13 | 0.16 | 0.38 | 0.14 | 0.69 | 0.00 | 2.86 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.04 | 0.14 | 0.00 | 0.00 | 0.33 | 0.20 | 35.60 | 1.60 | 1.67 | 0.50 | 0.71 | 3.40 |
| 27JUL | SE | 0.00 | 0.04 | 0.14 | 0.00 | 0.00 | 0.21 | 0.20 | 21.53 | 0.68 | 0.97 | 0.31 | 0.71 | 21.57 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.50 | 0.00 | 0.05 |
| 10AUG | SE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.27 | 0.00 | 0.29 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.04 | 0.14 | 0.60 | 0.00 | 2.17 | 0.00 | 0.40 | 1.40 | 0.11 | 1.50 | 0.00 | 0.53 |
| 23AUG | SE | 0.00 | 0.04 | 0.10 | 0.40 | 0.00 | 1.51 | 0.00 | 0.40 | 0.93 | 0.11 | 1.50 | 0.00 | 2.40 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.11 | 0.20 | 0.00 | 0.09 |
| 07SEP | SE | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.11 | 0.13 | 0.00 | 0.63 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 24.80 | 0.00 | 4.30 | 0.00 | 2.44 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 23.81 | 0.00 | 4.19 | 0.00 | 24.18 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 2.20 | 0.00 | 0.17 | 0.00 | 0.00 | 0.20 | 0.44 | 0.00 | 0.00 | 0.25 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 2.20 | 0.00 | 0.17 | 0.00 | 0.00 | 0.20 | 0.44 | 0.00 | 0.00 | 2.26 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.07 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.56 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-120 REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 149 | 31 | 12 | 1 | 7 | 1 | < 0.5 | 3 | 4 | 28 | 0 | 236 |
| 12JUL | SE | 0 | 104 | 31 | 6 | 1 | 7 | 1 | < 0.5 | 3 | 3 | 13 | 0 | 109 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 2 | 4 | 0 | 0 | 4 | 1 | 44 | 14 | 29 | 10 | 10 | 117 |
| 27JUL | SE | 0 | 2 | 4 | 0 | 0 | 2 | 1 | 27 | 6 | 17 | 6 | 10 | 35 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 14 |
| 10AUG | SE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 6 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 2 | 4 | 6 | 0 | 23 | 0 | < 0.5 | 12 | 2 | 30 | 0 | 78 |
| 23AUG | SE | 0 | 2 | 3 | 4 | 0 | 16 | 0 | < 0.5 | 8 | 2 | 30 | 0 | 35 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 23 |
| 07SEP | SE | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 16 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 214 | 0 | 85 | 0 | 300 |
| 20SEP | SE | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 205 | 0 | 82 | 0 | 221 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 20 | 0 | 2 | 0 | 0 | 2 | 8 | 0 | 0 | 32 |
| 05OCT | SE | 0 | 0 | 0 | 20 | 0 | 2 | 0 | 0 | 2 | 8 | 0 | 0 | 22 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 10 | 0 | 12 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 10 | 0 | 10 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-121 REGIONAL DENSITY (NO./1,000m3) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.06 |
| 10MAR | SE | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.25 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.09 |
| 29MAR | SE | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.62 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.03 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-121 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 29JUN | SE | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.07 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | | | | | | 0.56 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.01 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | | | | | | 0.11 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.02 |
| 21SEP | SE | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.15 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-122 REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 87 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 87 |
| 10MAR | SE | 53 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 53 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 130 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 130 |
| 29MAR | SE | 130 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 130 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 23 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 23 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 32 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 32 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-122 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 29JUN | SE | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 116 | 0 | 0 | NS | NS | NS | NS | NS | 116 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 116 | 0 | 0 | | | | | | 116 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 23 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | | | | | | 23 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 50 |
| 21SEP | SE | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | | | | | | 50 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-123 REGIONAL DENSITY (NO./1,000m3) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.03 | 0.02 | 0.00 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 20JUL | SE | 0.03 | 0.02 | 0.00 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.01 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.07 | 0.03 | 0.02 | 0.00 | 0.06 | 0.00 | 0.00 | 0.02 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.04 | 0.03 | 0.02 | 0.00 | 0.06 | 0.00 | 0.00 | 0.08 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.06 | 0.00 | 0.00 | 0.00 | 0.01 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.06 | 0.00 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 09NOV | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 30NOV | SE | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-124 REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 6 | 5 | 0 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 20JUL | SE | 6 | 5 | 0 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 12 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 11 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 |
| 31AUG | SE | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 7 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 4 | 0 | 10 | 9 | 3 | 0 | 11 | 0 | 0 | 36 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 9 | 3 | 0 | 11 | 0 | 0 | 16 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 9 | 0 | 0 | 0 | 16 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 9 | 0 | 0 | 0 | 10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 09NOV | SE | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 30NOV | SE | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-125 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.42 | 0.00 | 0.05 |
| 15JUN | SE | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.37 | 0.00 | 0.39 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.00 | 0.00 | 0.08 | 0.03 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.00 | 0.00 | 0.08 | 0.20 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 10AUG | SE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-126 REGIONAL STANDING CROP (IN THOUSANDS) OF ALEWIFE YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 14 |
| 15JUN | SE | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 8 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | < 0.5 | 0 | 0 | 0 | 1 | 2 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | < 0.5 | 0 | 0 | 0 | 1 | 1 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10AUG | SE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-127 REGIONAL DENSITY (NO./1,000m3) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-127 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.87 | 25.32 | NS | NS | NS | NS | NS | 3.29 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.60 | 10.65 | | | | | | 10.67 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 8.07 | 5.68 | 13.17 | NS | NS | NS | NS | NS | 3.43 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 2.42 | 2.40 | 4.19 | | | | | | 5.43 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.15 | 0.34 | 0.57 | 2.26 | 23.36 | 2.21 | NS | NS | NS | NS | NS | 3.61 |
| 10AUG | SE | 0.00 | 0.00 | 0.15 | 0.34 | 0.26 | 0.34 | 4.02 | 2.21 | | | | | | 4.62 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.16 | 0.00 | 0.48 | 0.56 | 5.69 | 12.16 | 26.70 | NS | NS | NS | NS | NS | 5.72 |
| 24AUG | SE | 0.00 | 0.16 | 0.00 | 0.30 | 0.31 | 1.72 | 6.92 | 1.46 | | | | | | 7.29 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 1.47 | 1.06 | 9.57 | 17.78 | 11.20 | NS | NS | NS | NS | NS | 5.14 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 1.11 | 0.68 | 5.36 | 5.33 | 3.14 | | | | | | 8.29 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 1.00 | 0.53 | 19.44 | 44.80 | 4.35 | NS | NS | NS | NS | NS | 8.77 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.45 | 0.34 | 8.71 | 24.26 | 2.19 | | | | | | 25.88 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.17 | 0.90 | 0.77 | 4.55 | 96.16 | 48.86 | NS | NS | NS | NS | NS | 18.93 |
| 05OCT | SE | 0.00 | 0.00 | 0.17 | 0.37 | 0.62 | 1.09 | 33.47 | 4.97 | | | | | | 33.87 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-128 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-128 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 23 | 0 | 0 | 121 | 7549 | NS | NS | NS | NS | NS | 7693 |
| 13JUL | SE | 0 | 0 | 0 | 23 | 0 | 0 | 84 | 3175 | | | | | | 3176 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 103 | 1674 | 794 | 3927 | NS | NS | NS | NS | NS | 6498 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 103 | 503 | 336 | 1249 | | | | | | 1392 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 48 | 51 | 118 | 469 | 3266 | 658 | NS | NS | NS | NS | NS | 4610 |
| 10AUG | SE | 0 | 0 | 48 | 51 | 55 | 70 | 562 | 658 | | | | | | 873 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 37 | 0 | 72 | 117 | 1179 | 1699 | 7961 | NS | NS | NS | NS | NS | 11065 |
| 24AUG | SE | 0 | 37 | 0 | 45 | 66 | 356 | 967 | 435 | | | | | | 1122 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 217 | 221 | 1986 | 2485 | 3340 | NS | NS | NS | NS | NS | 8249 |
| 07SEP | SE | 0 | 0 | 0 | 164 | 143 | 1111 | 745 | 937 | | | | | | 1648 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 147 | 111 | 4033 | 6263 | 1297 | NS | NS | NS | NS | NS | 11852 |
| 21SEP | SE | 0 | 0 | 0 | 66 | 71 | 1806 | 3392 | 652 | | | | | | 3899 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 55 | 134 | 160 | 944 | 13443 | 14566 | NS | NS | NS | NS | NS | 29301 |
| 05OCT | SE | 0 | 0 | 55 | 54 | 129 | 227 | 4679 | 1482 | | | | | | 4916 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-129 REGIONAL DENSITY (NO./1,000m3) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 0.62 | 0.42 | 0.54 | 2.27 | 0.71 | 4.41 | 0.70 | 0.85 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.57 | 0.10 | 0.31 | 0.80 | 0.19 | 2.17 | 0.32 | 2.53 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.02 | 0.34 | 16.96 | 4.71 | 14.37 | 8.18 | 7.75 | 4.53 | 1.73 | 0.94 | 4.58 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.02 | 0.31 | 5.38 | 2.54 | 4.12 | 3.44 | 3.75 | 0.91 | 0.27 | 0.64 | 8.92 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 4.84 | 0.08 | 1.89 | 5.43 | 13.11 | 35.01 | 8.51 | 1.27 | 5.45 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 1.24 | 0.06 | 0.72 | 2.10 | 3.44 | 28.86 | 5.15 | 1.04 | 29.65 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.10 | 0.35 | 0.52 | 0.91 | 0.85 | 3.38 | 6.45 | 18.24 | 23.00 | 13.02 | 2.14 | 5.31 |
| 31AUG | SE | 0.00 | 0.00 | 0.06 | 0.19 | 0.27 | 0.28 | 0.30 | 0.92 | 1.66 | 5.56 | 12.27 | 8.97 | 2.14 | 16.44 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.07 | 0.60 | 0.96 | 10.66 | 6.88 | 28.03 | 21.70 | 2.60 | 5.50 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.32 | 0.23 | 3.63 | 1.54 | 8.67 | 10.50 | 0.74 | 14.20 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.03 | 0.00 | 0.84 | 0.17 | 7.27 | 1.87 | 3.52 | 15.69 | 8.84 | 24.23 | 4.46 | 5.15 |
| 28SEP | SE | 0.00 | 0.00 | 0.03 | 0.00 | 0.56 | 0.08 | 1.97 | 0.56 | 0.77 | 4.88 | 3.99 | 6.07 | 3.37 | 9.65 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.63 | 3.45 | 6.14 | 1.11 | 6.46 | 6.35 | 5.85 | 15.61 | 9.64 | 3.74 | 4.54 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.23 | 1.50 | 1.44 | 0.37 | 1.40 | 1.81 | 2.39 | 5.77 | 2.95 | 1.79 | 7.79 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 26OCT | SE | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 09NOV | SE | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.29 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 30NOV | SE | 0.27 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-130 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 293 | 87 | 125 | 90 | 321 | 125 | 709 | 50 | 1800 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 143 | 80 | 29 | 51 | 113 | 34 | 349 | 23 | 408 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 4 | 71 | 3519 | 659 | 4283 | 1354 | 1096 | 799 | 277 | 67 | 12130 |
| 03AUG | SE | 0 | 0 | 0 | 4 | 65 | 1117 | 354 | 1227 | 569 | 530 | 160 | 44 | 46 | 1876 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 140 | 1005 | 11 | 564 | 898 | 1855 | 6171 | 1368 | 91 | 12102 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 70 | 257 | 8 | 214 | 347 | 486 | 5088 | 828 | 74 | 5201 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 32 | 52 | 109 | 189 | 119 | 1007 | 1067 | 2580 | 4055 | 2093 | 152 | 11456 |
| 31AUG | SE | 0 | 0 | 18 | 29 | 57 | 57 | 42 | 275 | 274 | 786 | 2163 | 1442 | 152 | 2750 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 4 | 0 | 14 | 84 | 285 | 1765 | 973 | 4942 | 3488 | 185 | 11740 |
| 14SEP | SE | 0 | 0 | 0 | 4 | 0 | 5 | 44 | 70 | 601 | 218 | 1528 | 1687 | 52 | 2366 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 9 | 0 | 175 | 35 | 1016 | 559 | 582 | 2220 | 1559 | 3895 | 317 | 10367 |
| 28SEP | SE | 0 | 0 | 9 | 0 | 117 | 16 | 276 | 167 | 128 | 690 | 703 | 976 | 240 | 1454 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 92 | 718 | 1274 | 155 | 1925 | 1051 | 828 | 2752 | 1549 | 266 | 10610 |
| 12OCT | SE | 0 | 0 | 0 | 34 | 312 | 298 | 52 | 418 | 299 | 338 | 1018 | 474 | 127 | 1358 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 5 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 26OCT | SE | 0 | 5 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 4 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 09NOV | SE | 4 | 5 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 60 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| 30NOV | SE | 56 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-131 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.29 | 0.00 | 0.33 | 2.33 | 0.00 | 0.25 | 0.00 | 0.00 | 0.32 | 0.00 | 0.29 |
| 12JUL | SE | 0.00 | 0.00 | 0.29 | 0.00 | 0.33 | 1.86 | 0.00 | 0.16 | 0.00 | 0.00 | 0.13 | 0.00 | 1.92 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.14 | 2.60 | 2.20 | 2.00 | 2.80 | 30.00 | 3.20 | 2.67 | 0.40 | 5.57 | 4.30 |
| 27JUL | SE | 0.00 | 0.00 | 0.14 | 2.36 | 2.20 | 1.61 | 1.88 | 10.46 | 1.39 | 1.04 | 0.22 | 3.89 | 12.01 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.60 | 3.60 | 15.17 | 0.00 | 2.00 | 0.80 | 2.00 | 18.10 | 0.29 | 3.55 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.60 | 2.42 | 5.93 | 0.00 | 1.22 | 0.58 | 1.20 | 12.66 | 0.29 | 14.32 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.04 | 0.50 | 1.00 | 0.40 | 16.33 | 2.60 | 14.40 | 4.20 | 8.56 | 13.30 | 4.86 | 5.52 |
| 23AUG | SE | 0.00 | 0.04 | 0.43 | 1.00 | 0.24 | 6.72 | 1.78 | 14.40 | 2.20 | 2.40 | 4.49 | 1.42 | 17.02 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.14 | 0.00 | 9.80 | 8.00 | 427.20 | 54.80 | 81.40 | 129.56 | 136.70 | 0.71 | 70.69 |
| 07SEP | SE | 0.00 | 0.00 | 0.14 | 0.00 | 7.12 | 5.56 | 363.21 | 41.84 | 44.81 | 81.92 | 76.41 | 0.57 | 385.11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.40 | 14.40 | 6.83 | 7.20 | 57.80 | 61.20 | 8.44 | 31.10 | 6.00 | 16.11 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.40 | 12.91 | 4.39 | 6.48 | 52.63 | 48.37 | 2.75 | 10.21 | 5.03 | 73.99 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.07 | 1.20 | 26.40 | 13.33 | 3.80 | 2.40 | 8.00 | 1.33 | 4.30 | 0.00 | 5.07 |
| 05OCT | SE | 0.00 | 0.00 | 0.07 | 1.20 | 17.00 | 8.79 | 3.32 | 2.40 | 7.75 | 1.21 | 3.28 | 0.00 | 21.37 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 3.20 | 17.88 | 0.00 | 52.60 | 58.80 | 3.33 | 24.00 | 0.00 | 2.40 | 0.56 | 2.80 | 2.29 | 13.99 |
| 18OCT | SE | 1.93 | 11.20 | 0.00 | 20.90 | 58.80 | 1.15 | 19.77 | 0.00 | 2.16 | 0.29 | 1.37 | 2.29 | 66.54 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-132 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 8 | 0 | 1 | 25 | 0 | < 0.5 | 0 | 0 | 6 | 0 | 40 |
| 12JUL | SE | 0 | 0 | 8 | 0 | 1 | 20 | 0 | < 0.5 | 0 | 0 | 3 | 0 | 21 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 4 | 24 | 6 | 21 | 20 | 37 | 28 | 47 | 8 | 76 | 270 |
| 27JUL | SE | 0 | 0 | 4 | 22 | 6 | 17 | 13 | 13 | 12 | 18 | 4 | 53 | 67 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 6 | 9 | 162 | 0 | 2 | 7 | 35 | 356 | 4 | 581 |
| 10AUG | SE | 0 | 0 | 0 | 6 | 6 | 63 | 0 | 2 | 5 | 21 | 249 | 4 | 258 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 2 | 13 | 9 | 1 | 174 | 18 | 18 | 36 | 150 | 262 | 66 | 750 |
| 23AUG | SE | 0 | 2 | 12 | 9 | 1 | 72 | 13 | 18 | 19 | 42 | 88 | 19 | 127 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 4 | 0 | 26 | 85 | 3031 | 68 | 701 | 2274 | 2690 | 10 | 8889 |
| 07SEP | SE | 0 | 0 | 4 | 0 | 19 | 59 | 2577 | 52 | 386 | 1438 | 1503 | 8 | 3336 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 4 | 38 | 73 | 51 | 72 | 527 | 148 | 612 | 82 | 1606 |
| 20SEP | SE | 0 | 0 | 0 | 4 | 34 | 47 | 46 | 65 | 416 | 48 | 201 | 68 | 480 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 2 | 11 | 70 | 142 | 27 | 3 | 69 | 23 | 85 | 0 | 431 |
| 05OCT | SE | 0 | 0 | 2 | 11 | 45 | 94 | 24 | 3 | 67 | 21 | 65 | 0 | 143 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 24 | 812 | 0 | 485 | 155 | 36 | 170 | 0 | 21 | 10 | 55 | 31 | 1798 |
| 18OCT | SE | 15 | 509 | 0 | 193 | 155 | 12 | 140 | 0 | 19 | 5 | 27 | 31 | 585 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-133 REGIONAL DENSITY (NO./1,000m3) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 27.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 3.88 |
| 10MAR | SE | 0.00 | 27.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 27.10 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.04 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.56 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.20 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.20 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-133 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.04 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-134 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 6238 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 6238 |
| 10MAR | SE | 0 | 6218 | 0 | 0 | 0 | 0 | 0 | | | | | | | 6218 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 20APR | SE | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 40 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 40 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 30 | 34 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 91 |
| 02JUN | SE | 0 | 0 | 0 | 30 | 34 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 53 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-134 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 41 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 41 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-135 REGIONAL DENSITY (NO./1,000m3) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | < 0.005 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.01 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-136 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 17AUG | SE | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 11 | 0 | 0 | 15 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 11 | 0 | 0 | 12 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-137 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.01 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.08 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-138 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEBACK HERRING YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-139 REGIONAL DENSITY (NO./1,000m3) OF GIZZARD SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | < 0.005 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-140 REGIONAL STANDING CROP (IN THOUSANDS) OF GIZZARD SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 49 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 49 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-141 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF GIZZARD SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.50 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.34 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-142 REGIONAL STANDING CROP (IN THOUSANDS) OF GIZZARD SHAD YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 23AUG | SE | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-143 REGIONAL DENSITY (NO./1,000m3) OF GIZZARD SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-144 REGIONAL STANDING CROP (IN THOUSANDS) OF GIZZARD SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-145 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF GIZZARD SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 0.13 | 0.13 | 0.07 | 0.11 | 0.08 | 0.10 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.13 | 0.13 | 0.07 | 0.07 | 0.08 | 0.40 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.25 | 0.00 | 0.07 | 0.05 | 0.17 | 0.07 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.16 | 0.00 | 0.07 | 0.05 | 0.17 | 0.42 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.13 | 0.25 | 0.00 | 0.00 | 0.21 | 0.00 | 0.08 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.13 | 0.16 | 0.00 | 0.00 | 0.16 | 0.00 | 0.42 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.20 | 0.04 | 0.14 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.06 |
| 27JUL | SE | 0.20 | 0.04 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.33 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.20 | 0.08 | 0.07 | 1.20 | 0.00 | 0.33 | 0.00 | 0.20 | 0.00 | 0.11 | 0.10 | 0.00 | 0.19 |
| 10AUG | SE | 0.20 | 0.06 | 0.07 | 0.97 | 0.00 | 0.33 | 0.00 | 0.20 | 0.00 | 0.11 | 0.10 | 0.00 | 1.08 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.20 | 0.08 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.14 | 0.06 |
| 23AUG | SE | 0.20 | 0.06 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.14 | 0.34 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 07SEP | SE | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.21 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 20SEP | SE | 0.00 | 0.10 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 05OCT | SE | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.04 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 18OCT | SE | 0.00 | 0.04 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-146 REGIONAL STANDING CROP (IN THOUSANDS) OF GIZZARD SHAD YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 7 | 0 | < 0.5 | 1 | 1 | 2 | 1 | 13 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 4 | 0 | < 0.5 | 1 | 1 | 1 | 1 | 4 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 1 | 0 | 0 | < 0.5 | 0 | 1 | 1 | 2 | 6 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 1 | 0 | 0 | < 0.5 | 0 | 1 | 1 | 2 | 3 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 3 | 0 | 0 | 1 | < 0.5 | 0 | 0 | 4 | 0 | 8 |
| 12JUL | SE | 0 | 0 | 0 | 3 | 0 | 0 | 1 | < 0.5 | 0 | 0 | 3 | 0 | 5 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 2 | 2 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 11 |
| 27JUL | SE | 2 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 4 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 2 | 4 | 2 | 11 | 0 | 4 | 0 | < 0.5 | 0 | 2 | 2 | 0 | 26 |
| 10AUG | SE | 2 | 3 | 2 | 9 | 0 | 4 | 0 | < 0.5 | 0 | 2 | 2 | 0 | 11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 2 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 11 |
| 23AUG | SE | 2 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 4 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07SEP | SE | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 20SEP | SE | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 4 | 0 | 0 | 0 | 0 | < 0.5 | 0 | 0 | 0 | 0 | 4 |
| 05OCT | SE | 0 | 0 | 3 | 0 | 0 | 0 | 0 | < 0.5 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 18OCT | SE | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-147 REGIONAL DENSITY (NO./1,000m3) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.02 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.22 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-147 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-148 REGIONAL STANDING CROP (IN THOUSANDS) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 39 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 39 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-148 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-149 REGIONAL DENSITY (NO./1,000m3) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-150 REGIONAL STANDING CROP (IN THOUSANDS) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-151 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-152 REGIONAL STANDING CROP (IN THOUSANDS) OF RAINBOW SMELT YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-153 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-153 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 1627.46 | 3750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 413.65 |
| 22JUN | SE | 469.23 | 2506.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2550.35 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 1048.74 | 2226.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 251.91 |
| 29JUN | SE | 691.76 | 1938.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2058.42 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 419.63 | 513.75 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 116.69 |
| 13JUL | SE | 193.02 | 198.43 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 276.82 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 218.93 | 262.44 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 60.22 |
| 27JUL | SE | 60.81 | 234.97 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 242.71 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 157.50 | 53.70 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 26.42 |
| 10AUG | SE | 101.53 | 15.19 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 102.66 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.20 |
| 07SEP | SE | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 1.63 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.88 |
| 05OCT | SE | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 7.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-154 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-154 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER EGGS IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST.CROP | 340159 | 860326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1200486 |
| 22JUN | SE | 98076 | 575114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 583416 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST.CROP | 219200 | 510691 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 729909 |
| 29JUN | SE | 144587 | 444777 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 467688 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST.CROP | 87708 | 117864 | 52 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 205624 |
| 13JUL | SE | 40343 | 45523 | 52 | 0 | 0 | 0 | 0 | 0 | | | | | | 60827 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST.CROP | 45759 | 60209 | 117 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 106085 |
| 27JUL | SE | 12710 | 53907 | 117 | 0 | 0 | 0 | 0 | 0 | | | | | | 55386 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST.CROP | 32919 | 12320 | 46 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 45285 |
| 10AUG | SE | 21221 | 3485 | 46 | 0 | 0 | 0 | 0 | 0 | | | | | | 21505 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST.CROP | 340 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 340 |
| 07SEP | SE | 340 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 340 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST.CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST.CROP | 1464 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1464 |
| 05OCT | SE | 1464 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 1464 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-155 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-155 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.31 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.13 |
| 13JUL | SE | 0.00 | 0.31 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.77 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-156 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-156 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 70 | 227 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 297 |
| 13JUL | SE | 0 | 70 | 227 | 0 | 0 | 0 | 0 | 0 | | | | | | 237 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-157 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-157 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 80.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 10.12 |
| 13JUL | SE | 80.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 80.93 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 8.16 | 2.34 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 1.31 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 4.44 | 1.94 | 0.00 | 0.00 | 0.00 | | | | | | 4.85 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.26 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.13 |
| 10AUG | SE | 0.00 | 0.00 | 0.26 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.56 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.03 |
| 07SEP | SE | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.27 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.07 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | | | | | | 0.55 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | NS | NS | NS | NS | NS | 0.04 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | | | | | | 0.29 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-158 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-158 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 16914 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 16914 |
| 13JUL | SE | 16914 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 16914 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 1205 | 488 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1693 |
| 27JUL | SE | 0 | 0 | 0 | 656 | 405 | 0 | 0 | 0 | | | | | | 771 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 83 | 118 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 201 |
| 10AUG | SE | 0 | 0 | 83 | 74 | 0 | 0 | 0 | 0 | | | | | | 111 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 87 |
| 07SEP | SE | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 0 | | | | | | 87 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 115 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 115 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 115 | 0 | 0 | 0 | | | | | | 115 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | NS | NS | NS | NS | NS | 41 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | | | | | | 41 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-159 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-159 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.04 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | | | | | | 0.29 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | NS | NS | NS | NS | NS | 0.03 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | | | | | | 0.24 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.02 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.00 | 0.00 | | | | | | 0.10 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | NS | NS | NS | NS | NS | 0.08 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | | | | | | 0.66 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.24 | 0.97 | 0.77 | NS | NS | NS | NS | NS | 0.28 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.24 | 0.67 | 0.77 | | | | | | 1.05 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.33 | 0.84 | 0.24 | 3.53 | 0.25 | NS | NS | NS | NS | NS | 0.65 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.19 | 0.65 | 0.14 | 3.48 | 0.25 | | | | | | 3.56 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-160 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-160 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 61 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | | | | | | 61 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | NS | NS | NS | NS | NS | 72 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | | | | | | 72 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 6 | 20 | 0 | 0 | NS | NS | NS | NS | NS | 26 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 6 | 20 | 0 | 0 | | | | | | 21 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 | NS | NS | NS | NS | NS | 196 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 | | | | | | 196 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 53 | 49 | 136 | 229 | NS | NS | NS | NS | NS | 467 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 31 | 49 | 93 | 229 | | | | | | 254 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 49 | 175 | 50 | 493 | 75 | NS | NS | NS | NS | NS | 842 |
| 05OCT | SE | 0 | 0 | 0 | 28 | 135 | 29 | 487 | 75 | | | | | | 512 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-161 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.06 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.07 | 0.19 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 31AUG | SE | 0.06 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.07 | 0.17 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.81 | 0.70 | 0.23 | 0.19 | 0.29 | 0.00 | 0.00 | 0.00 | 0.17 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.31 | 0.23 | 0.10 | 0.08 | 0.22 | 0.00 | 0.00 | 0.00 | 0.47 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.52 | 0.65 | 0.93 | 1.24 | 0.44 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.29 | 0.24 | 0.47 | 0.24 | 0.11 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.14 | 0.00 | 0.03 | 0.17 | 2.09 | 0.24 | 0.09 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.22 |
| 12OCT | SE | 0.00 | 0.14 | 0.00 | 0.03 | 0.05 | 0.48 | 0.11 | 0.04 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.52 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.63 | 1.08 | 0.85 | 0.51 | 0.03 | 0.65 | 0.00 | 0.00 | 0.00 | 0.29 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.22 | 0.38 | 0.29 | 0.29 | 0.03 | 0.43 | 0.00 | 0.00 | 0.00 | 0.74 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 1.46 | 0.03 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.44 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.11 | 0.92 | 0.07 | 0.02 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.08 | 0.40 | 0.03 | 0.02 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-162 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 12 | 0 | 0 | 0 | 3 | 0 | 9 | 57 | 3 | 0 | 0 | 0 | 0 | 84 |
| 31AUG | SE | 12 | 0 | 0 | 0 | 3 | 0 | 9 | 49 | 3 | 0 | 0 | 0 | 0 | 52 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 4 | 167 | 98 | 68 | 31 | 41 | 0 | 0 | 0 | 410 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 4 | 65 | 33 | 30 | 14 | 31 | 0 | 0 | 0 | 86 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 78 | 134 | 194 | 174 | 132 | 46 | 0 | 0 | 0 | 0 | 757 |
| 28SEP | SE | 0 | 0 | 0 | 43 | 50 | 98 | 33 | 33 | 39 | 0 | 0 | 0 | 0 | 133 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 32 | 0 | 5 | 35 | 433 | 34 | 25 | 0 | 8 | 0 | 0 | 0 | 572 |
| 12OCT | SE | 0 | 32 | 0 | 5 | 10 | 99 | 15 | 13 | 0 | 8 | 0 | 0 | 0 | 107 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 4 | 130 | 224 | 118 | 152 | 5 | 92 | 0 | 0 | 0 | 724 |
| 26OCT | SE | 0 | 0 | 0 | 4 | 46 | 79 | 41 | 88 | 5 | 60 | 0 | 0 | 0 | 147 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 12 | 302 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 327 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 6 | 91 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 91 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 16 | 193 | 15 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 259 |
| 30NOV | SE | 0 | 0 | 0 | 12 | 84 | 6 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 91 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-163 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.04 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.28 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.29 | 0.20 | 0.20 | 0.17 | 0.20 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.10 |
| 20SEP | SE | 0.00 | 0.00 | 0.22 | 0.20 | 0.20 | 0.17 | 0.20 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.46 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-164 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 6 |
| 07SEP | SE | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 8 | 2 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 15 |
| 20SEP | SE | 0 | 0 | 6 | 2 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 7 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 05OCT | SE | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-165 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.27 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 13APR | SE | 0.00 | 0.00 | 0.27 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.25 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 12MAY | SE | 0.00 | 0.25 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.36 | 0.14 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.15 | 0.32 | 0.00 | 0.00 | 0.00 | 0.13 |
| 19MAY | SE | 0.00 | 0.36 | 0.14 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.15 | 0.32 | 0.00 | 0.00 | 0.00 | 0.74 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.44 | 1.76 | 0.00 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 |
| 02JUN | SE | 0.00 | 0.00 | 0.33 | 0.59 | 0.00 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-165 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.30 | 0.00 | 1.54 | 0.00 | 0.25 | 0.63 | 0.61 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.30 |
| 08JUN | SE | 0.00 | 0.30 | 0.00 | 0.89 | 0.00 | 0.14 | 0.46 | 0.61 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 1.27 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.29 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.29 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.62 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| 22JUN | SE | 0.62 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.32 | 0.17 | 2.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 |
| 29JUN | SE | 0.00 | 0.32 | 0.17 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.37 | 0.19 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.07 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.23 | 0.16 | 0.00 | 0.00 | 0.00 | | | | | | 0.28 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.16 | 0.11 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.03 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.16 | 0.11 | 0.00 | 0.00 | 0.00 | | | | | | 0.19 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.30 | 0.00 | NS | NS | NS | NS | NS | 0.41 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.00 | 0.30 | 0.00 | | | | | | 1.81 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 2.23 | 0.77 | 0.39 | 0.17 | 0.00 | 2.03 | 0.51 | NS | NS | NS | NS | NS | 0.76 |
| 21SEP | SE | 0.00 | 1.00 | 0.34 | 0.39 | 0.13 | 0.00 | 1.05 | 0.51 | | | | | | 1.63 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.36 | 0.55 | 0.00 | 0.25 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.14 |
| 05OCT | SE | 0.00 | 0.00 | 0.21 | 0.37 | 0.00 | 0.25 | 0.00 | 0.00 | | | | | | 0.49 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-166 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 88 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 114 |
| 13APR | SE | 0 | 0 | 88 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 58 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 |
| 12MAY | SE | 0 | 58 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 82 | 44 | 0 | 0 | 0 | 103 | 0 | 25 | 46 | 0 | 0 | 0 | 299 |
| 19MAY | SE | 0 | 82 | 44 | 0 | 0 | 0 | 73 | 0 | 25 | 46 | 0 | 0 | 0 | 129 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 143 | 260 | 0 | 21 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 429 |
| 02JUN | SE | 0 | 0 | 105 | 87 | 0 | 21 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 138 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-166 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 69 | 0 | 228 | 0 | 51 | 88 | 180 | 0 | 0 | 109 | 0 | 0 | 725 |
| 08JUN | SE | 0 | 69 | 0 | 131 | 0 | 30 | 65 | 180 | 0 | 0 | 63 | 0 | 0 | 252 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 7 | 60 | 165 | 0 | 0 | 0 | 0 | 0 | 0 | 232 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 7 | 60 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 103 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 130 | 0 | 0 | 195 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 419 |
| 22JUN | SE | 130 | 0 | 0 | 68 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 174 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 74 | 54 | 391 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 |
| 29JUN | SE | 0 | 74 | 54 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 176 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 54 | 39 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 93 |
| 10AUG | SE | 0 | 0 | 0 | 34 | 33 | 0 | 0 | 0 | | | | | | 47 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 23 | 23 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 46 |
| 24AUG | SE | 0 | 0 | 0 | 23 | 23 | 0 | 0 | 0 | | | | | | 33 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 444 | 0 | 0 | 42 | 0 | NS | NS | NS | NS | NS | 485 |
| 07SEP | SE | 0 | 0 | 0 | 263 | 0 | 0 | 42 | 0 | | | | | | 267 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 511 | 249 | 58 | 35 | 0 | 283 | 153 | NS | NS | NS | NS | NS | 1289 |
| 21SEP | SE | 0 | 230 | 108 | 58 | 28 | 0 | 146 | 153 | | | | | | 337 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 116 | 81 | 0 | 51 | 0 | 0 | NS | NS | NS | NS | NS | 249 |
| 05OCT | SE | 0 | 0 | 67 | 54 | 0 | 51 | 0 | 0 | | | | | | 100 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-167 REGIONAL DENSITY (NO./1,000m3) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.80 | 0.16 | 0.71 | 0.07 | 0.70 | 0.43 | 0.12 | 0.06 | 0.16 | 0.11 | 0.00 | 0.00 | 0.28 |
| 08JUL | SE | | 0.31 | 0.09 | 0.35 | 0.03 | 0.29 | 0.25 | 0.06 | 0.04 | 0.10 | 0.11 | 0.00 | 0.00 | 0.64 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.33 | 1.53 | 1.37 | 0.33 | 0.09 | 0.31 | 1.90 | 0.00 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.46 |
| 20JUL | SE | 0.15 | 0.35 | 0.76 | 0.16 | 0.05 | 0.13 | 0.30 | 0.00 | 0.02 | 0.08 | 0.00 | 0.00 | 0.00 | 0.93 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.32 | 0.00 | 0.94 | 0.83 | 0.56 | 0.23 | 3.22 | 0.18 | 0.00 | 0.11 | 0.06 | 0.00 | 0.00 | 0.50 |
| 03AUG | SE | 0.20 | 0.00 | 0.32 | 0.26 | 0.28 | 0.07 | 1.08 | 0.14 | 0.00 | 0.11 | 0.06 | 0.00 | 0.00 | 1.22 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.76 | 2.27 | 2.51 | 2.19 | 1.67 | 2.12 | 0.09 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.90 |
| 17AUG | SE | 0.00 | 0.55 | 0.95 | 0.93 | 0.52 | 0.39 | 0.93 | 0.05 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 1.83 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.76 | 0.28 | 1.12 | 0.44 | 2.62 | 0.67 | 0.06 | 0.00 | 0.18 | 0.00 | 0.00 | 0.47 |
| 31AUG | SE | 0.00 | 0.00 | 0.25 | 0.18 | 0.94 | 0.41 | 1.16 | 0.33 | 0.05 | 0.00 | 0.06 | 0.00 | 0.00 | 1.61 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.08 | 0.00 | 0.84 | 0.06 | 0.89 | 2.28 | 5.41 | 0.32 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 |
| 14SEP | SE | 0.05 | 0.00 | 0.31 | 0.04 | 0.35 | 1.03 | 1.67 | 0.12 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.03 | 1.46 | 2.64 | 3.44 | 1.03 | 1.18 | 1.85 | 1.96 | 0.55 | 0.24 | 0.06 | 0.00 | 0.00 | 1.11 |
| 28SEP | SE | 0.03 | 0.59 | 0.78 | 0.98 | 0.36 | 0.51 | 0.79 | 0.60 | 0.25 | 0.24 | 0.06 | 0.00 | 0.00 | 1.85 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 1.97 | 4.10 | 3.79 | 8.88 | 1.41 | 0.40 | 0.38 | 0.51 | 1.08 | 0.07 | 0.00 | 0.00 | 1.74 |
| 12OCT | SE | 0.00 | 1.39 | 1.25 | 2.18 | 2.62 | 0.50 | 0.13 | 0.13 | 0.23 | 0.93 | 0.07 | 0.00 | 0.00 | 4.04 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.51 | 0.08 | 0.87 | 6.36 | 2.97 | 1.75 | 1.23 | 1.02 | 1.65 | 0.61 | 0.00 | 0.00 | 1.31 |
| 26OCT | SE | 0.00 | 0.28 | 0.06 | 0.59 | 2.53 | 0.80 | 0.63 | 0.36 | 0.36 | 0.91 | 0.35 | 0.00 | 0.00 | 3.01 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.02 | 0.15 | 0.00 | 1.83 | 1.33 | 0.19 | 0.25 | 0.33 | 0.62 | 0.33 | 0.00 | 0.00 | 0.39 |
| 09NOV | SE | 0.00 | 0.02 | 0.07 | 0.00 | 1.01 | 0.51 | 0.07 | 0.13 | 0.10 | 0.33 | 0.19 | 0.00 | 0.00 | 1.20 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.02 | 0.02 | 0.10 | 4.14 | 2.47 | 0.37 | 0.36 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 |
| 30NOV | SE | 0.02 | 0.02 | 0.06 | 1.34 | 0.95 | 0.08 | 0.20 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-168 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 183 | 51 | 105 | 14 | 145 | 60 | 35 | 10 | 23 | 20 | 0 | 0 | 647 |
| 08JUL | SE | . | 71 | 28 | 52 | 7 | 60 | 35 | 19 | 7 | 15 | 20 | 0 | 0 | 120 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 69 | 351 | 441 | 49 | 18 | 65 | 266 | 0 | 8 | 17 | 0 | 0 | 0 | 1285 |
| 20JUL | SE | 30 | 81 | 244 | 24 | 10 | 26 | 42 | 0 | 4 | 11 | 0 | 0 | 0 | 265 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 67 | 0 | 302 | 122 | 117 | 47 | 450 | 53 | 0 | 16 | 10 | 0 | 0 | 1186 |
| 03AUG | SE | 42 | 0 | 104 | 39 | 58 | 15 | 151 | 40 | 0 | 16 | 10 | 0 | 0 | 206 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 174 | 730 | 371 | 455 | 346 | 296 | 28 | 9 | 8 | 0 | 0 | 0 | 2417 |
| 17AUG | SE | 0 | 126 | 304 | 137 | 108 | 81 | 130 | 14 | 9 | 8 | 0 | 0 | 0 | 403 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 245 | 42 | 233 | 92 | 366 | 201 | 10 | 0 | 32 | 0 | 0 | 1222 |
| 31AUG | SE | 0 | 0 | 79 | 27 | 195 | 86 | 162 | 97 | 8 | 0 | 11 | 0 | 0 | 298 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 16 | 0 | 271 | 10 | 185 | 472 | 757 | 96 | 84 | 0 | 0 | 0 | 0 | 1891 |
| 14SEP | SE | 11 | 0 | 100 | 6 | 72 | 213 | 233 | 37 | 22 | 0 | 0 | 0 | 0 | 342 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 6 | 334 | 849 | 508 | 216 | 245 | 259 | 585 | 92 | 33 | 11 | 0 | 0 | 3138 |
| 28SEP | SE | 6 | 136 | 250 | 144 | 75 | 105 | 110 | 180 | 42 | 33 | 11 | 0 | 0 | 408 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 452 | 1319 | 560 | 1850 | 293 | 56 | 114 | 85 | 153 | 13 | 0 | 0 | 4895 |
| 12OCT | SE | 0 | 318 | 401 | 323 | 547 | 105 | 18 | 40 | 38 | 132 | 13 | 0 | 0 | 835 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 116 | 24 | 128 | 1326 | 617 | 245 | 366 | 169 | 233 | 108 | 0 | 0 | 3331 |
| 26OCT | SE | 0 | 64 | 19 | 87 | 528 | 165 | 88 | 107 | 59 | 129 | 62 | 0 | 0 | 601 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 5 | 48 | 0 | 382 | 276 | 26 | 74 | 54 | 88 | 59 | 0 | 0 | 1011 |
| 09NOV | SE | 0 | 5 | 24 | 0 | 210 | 105 | 9 | 37 | 16 | 46 | 33 | 0 | 0 | 247 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 5 | 5 | 31 | 612 | 514 | 77 | 51 | 165 | 0 | 0 | 0 | 0 | 0 | 1459 |
| 30NOV | SE | 5 | 5 | 21 | 198 | 199 | 17 | 27 | 90 | 0 | 0 | 0 | 0 | 0 | 297 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-169 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.01 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.01 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.20 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 07SEP | SE | 0.20 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-170 REGIONAL STANDING CROP (IN THOUSANDS) OF HOGCHOKER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 07SEP | SE | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-171 REGIONAL DENSITY (NO./1,000m3) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-171 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-172 REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-172 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-173 REGIONAL DENSITY (NO./1,000m3) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.02 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.26 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-174 REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 37 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 37 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 8 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-175 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.33 | 0.00 | 0.00 | 1.67 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.24 |
| 28JUN | SE | 0.33 | 0.00 | 0.00 | 1.67 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 1.80 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.33 | 0.67 | 3.33 | 1.00 | 0.13 | 1.13 | 0.60 | 0.63 | 1.42 | 0.77 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.33 | 0.33 | 3.33 | 1.00 | 0.13 | 1.13 | 0.27 | 0.30 | 0.83 | 3.80 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.17 | 0.00 | 0.00 | 0.20 | 0.44 | 1.50 | 1.00 | 0.44 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 0.17 | 0.00 | 0.00 | 0.20 | 0.34 | 0.43 | 0.53 | 1.72 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.07 | 7.20 | 2.40 | 0.00 | 2.60 | 0.80 | 4.80 | 2.89 | 4.20 | 4.57 | 2.46 |
| 10AUG | SE | 0.00 | 0.00 | 0.07 | 4.27 | 1.44 | 0.00 | 1.60 | 0.58 | 2.03 | 0.68 | 1.65 | 3.14 | 6.35 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.21 | 3.20 | 2.20 | 5.00 | 3.20 | 6.40 | 3.80 | 5.33 | 13.50 | 2.71 | 3.80 |
| 23AUG | SE | 0.00 | 0.00 | 0.21 | 2.48 | 1.74 | 4.80 | 2.18 | 5.18 | 3.31 | 1.41 | 11.74 | 2.71 | 14.90 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.14 | 0.00 | 1.00 | 0.83 | 3.60 | 0.40 | 0.00 | 3.22 | 8.80 | 0.71 | 1.56 |
| 07SEP | SE | 0.00 | 0.00 | 0.14 | 0.00 | 0.45 | 0.83 | 3.60 | 0.40 | 0.00 | 1.84 | 3.99 | 0.57 | 5.80 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 1.60 | 4.20 | 3.60 | 5.56 | 6.10 | 0.00 | 1.80 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 1.17 | 2.62 | 3.36 | 2.29 | 3.61 | 0.00 | 6.15 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 3.00 | 0.20 | 2.00 | 4.22 | 0.80 | 0.00 | 0.97 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 2.76 | 0.20 | 2.00 | 3.61 | 0.36 | 0.00 | 5.01 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 13.00 | 0.20 | 0.33 | 1.40 | 0.00 | 2.60 | 3.33 | 2.00 | 0.00 | 1.91 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 13.00 | 0.20 | 0.33 | 1.40 | 0.00 | 2.36 | 1.54 | 1.04 | 0.00 | 13.42 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-176 REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 3 | 0 | 0 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 27 |
| 28JUN | SE | 3 | 0 | 0 | 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 17 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 3 | 2 | 36 | 7 | < 0.5 | 10 | 11 | 12 | 19 | 99 |
| 12JUL | SE | 0 | 0 | 0 | 3 | 1 | 36 | 7 | < 0.5 | 10 | 5 | 6 | 11 | 40 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 2 | 8 | 30 | 14 | 60 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 2 | 6 | 8 | 7 | 13 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 2 | 66 | 6 | 0 | 18 | 1 | 41 | 51 | 83 | 62 | 331 |
| 10AUG | SE | 0 | 0 | 2 | 39 | 4 | 0 | 11 | 1 | 18 | 12 | 33 | 43 | 71 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 6 | 29 | 6 | 53 | 23 | 8 | 33 | 94 | 266 | 37 | 554 |
| 23AUG | SE | 0 | 0 | 6 | 23 | 5 | 51 | 15 | 6 | 28 | 25 | 231 | 37 | 244 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 4 | 0 | 3 | 9 | 26 | < 0.5 | 0 | 57 | 173 | 10 | 281 |
| 07SEP | SE | 0 | 0 | 4 | 0 | 1 | 9 | 26 | < 0.5 | 0 | 32 | 78 | 8 | 89 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 5 | 31 | 98 | 120 | 0 | 267 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 3 | 29 | 40 | 71 | 0 | 87 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 4 | 0 | 21 | < 0.5 | 17 | 74 | 16 | 0 | 132 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 1 | 0 | 20 | < 0.5 | 17 | 63 | 7 | 0 | 69 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 120 | 1 | 4 | 10 | 0 | 22 | 59 | 39 | 0 | 254 |
| 18OCT | SE | 0 | 0 | 0 | 120 | 1 | 4 | 10 | 0 | 20 | 27 | 21 | 0 | 127 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-177 REGIONAL DENSITY (NO./1,000m3) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | NS | NS | NS | NS | NS | NS | 0.01 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | | | | | | | 0.08 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.28 | 0.00 | 0.00 | 0.04 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.28 | 0.00 | 0.00 | 0.39 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.42 | 0.05 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.42 | 0.50 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.72 | 0.00 | 0.00 | 0.06 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.72 | 0.00 | 0.00 | 0.73 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.56 | 0.06 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.56 | 0.60 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.06 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.70 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.50 | 1.20 | 1.95 | 1.57 | 0.41 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.50 | 0.61 | 1.29 | 0.92 | 1.78 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-177 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.61 | 0.27 | 1.27 | 2.13 | 1.25 | 0.00 | 0.43 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.61 | 0.17 | 1.27 | 1.09 | 1.25 | 0.00 | 2.18 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 0.96 | 1.64 | 0.34 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.48 | 0.96 | 1.10 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.06 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | | | | | | 0.52 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-178 REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 12 | NS | NS | NS | NS | NS | NS | 12 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 12 | | | | | | | 12 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 49 | 0 | 0 | 88 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 49 | 0 | 0 | 62 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 30 | 77 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 30 | 56 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 127 | 0 | 0 | 147 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 127 | 0 | 0 | 129 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 40 | 77 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 40 | 54 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 127 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 101 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 71 | 211 | 313 | 112 | 734 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 71 | 108 | 208 | 66 | 255 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-178 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 180 | 45 | 180 | 376 | 201 | 0 | 989 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 180 | 27 | 180 | 193 | 201 | 0 | 378 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 324 | 155 | 117 | 596 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 77 | 68 | 112 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 107 | 0 | 0 | NS | NS | NS | NS | NS | 107 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 107 | 0 | 0 | | | | | | 107 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-179 REGIONAL DENSITY (NO./1,000m3) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 | 0.00 | 0.93 | 0.00 | 0.22 | 0.17 | 0.11 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.00 | 0.71 | 0.00 | 0.22 | 0.17 | 0.76 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 | 0.01 | 0.02 | 0.04 | 0.06 | 0.00 | 0.00 | 0.01 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 | 0.01 | 0.02 | 0.04 | 0.06 | 0.00 | 0.00 | 0.08 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.00 | 0.03 | 0.00 | 0.12 | 0.20 | 0.00 | 0.03 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.00 | 0.02 | 0.00 | 0.07 | 0.10 | 0.00 | 0.13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.12 | 0.06 | 0.00 | 0.00 | 0.02 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.07 | 0.06 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.12 | 0.04 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.12 | 0.31 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.01 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.12 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.02 | 0.00 | 0.12 | 0.00 | 0.18 | 0.04 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.02 | 0.00 | 0.12 | 0.00 | 0.10 | 0.27 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.20 | 0.00 | 0.00 | 0.03 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.12 | 0.00 | 0.00 | 0.26 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.01 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.02 | 0.10 | 0.10 | 0.05 | 0.02 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.02 | 0.07 | 0.05 | 0.05 | 0.10 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-180 REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 2 | 2 | 8 | 0 | 131 | 0 | 35 | 12 | 190 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 0 | 100 | 0 | 35 | 12 | 107 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 6 | 11 | 0 | 0 | 24 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 6 | 11 | 0 | 0 | 13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 5 | 0 | 21 | 33 | 0 | 69 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 4 | 0 | 12 | 16 | 0 | 21 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 17 | 11 | 0 | 0 | 37 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 10 | 11 | 0 | 0 | 17 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 63 | 0 | 8 | 80 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 50 | 0 | 8 | 51 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 26 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 17 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 3 | 0 | 21 | 0 | 13 | 68 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 3 | 0 | 21 | 0 | 7 | 38 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 35 | 0 | 0 | 67 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 21 | 0 | 0 | 39 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 10 | 0 | 0 | 0 | 16 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 7 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 18 | 17 | 3 | 47 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 12 | 9 | 3 | 16 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-181 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.14 | 2.67 | 5.00 | 7.33 | 9.75 | 20.00 | 38.13 | 11.07 | 4.79 | 9.58 | 9.04 |
| 15JUN | SE | 0.00 | 0.00 | 0.14 | 1.33 | 2.65 | 4.84 | 2.68 | 3.70 | 17.73 | 2.62 | 1.00 | 4.21 | 19.83 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.29 | 2.00 | 4.00 | 0.00 | 10.38 | 2.00 | 1.50 | 5.27 | 1.95 | 2.50 | 2.49 |
| 28JUN | SE | 0.00 | 0.00 | 0.18 | 2.00 | 1.53 | 0.00 | 5.99 | 1.35 | 0.63 | 2.16 | 0.81 | 1.58 | 7.23 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 1.33 | 2.33 | 7.67 | 5.38 | 1.88 | 7.13 | 12.13 | 6.68 | 0.75 | 3.77 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 1.33 | 1.86 | 7.17 | 3.40 | 0.93 | 3.38 | 2.94 | 2.73 | 0.51 | 9.84 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.20 | 10.20 | 1.17 | 0.40 | 4.80 | 3.20 | 8.00 | 3.50 | 36.29 | 5.65 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.20 | 6.91 | 0.83 | 0.40 | 3.43 | 2.03 | 2.67 | 1.63 | 35.95 | 36.97 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.04 | 0.07 | 0.20 | 0.80 | 0.00 | 0.00 | 4.60 | 2.00 | 4.44 | 3.30 | 5.86 | 1.78 |
| 10AUG | SE | 0.00 | 0.04 | 0.07 | 0.20 | 0.80 | 0.00 | 0.00 | 4.35 | 1.10 | 2.01 | 2.17 | 3.22 | 6.32 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.40 | 1.60 | 1.17 | 1.00 | 3.20 | 0.60 | 8.22 | 6.20 | 0.00 | 1.87 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.24 | 0.75 | 0.79 | 0.63 | 2.52 | 0.40 | 4.04 | 5.54 | 0.00 | 7.43 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 | 3.30 | 0.14 | 0.64 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.79 | 0.14 | 3.53 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.07 | 0.00 | 3.00 | 0.00 | 0.00 | 3.60 | 0.20 | 2.67 | 1.00 | 0.00 | 0.88 |
| 20SEP | SE | 0.00 | 0.00 | 0.07 | 0.00 | 1.67 | 0.00 | 0.00 | 2.71 | 0.20 | 1.71 | 0.56 | 0.00 | 3.67 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 1.11 | 0.90 | 0.00 | 0.22 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.89 | 0.69 | 0.00 | 1.21 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.21 | 0.00 | 1.80 | 1.40 | 1.83 | 0.60 | 0.00 | 1.20 | 2.44 | 3.00 | 0.14 | 1.05 |
| 18OCT | SE | 0.00 | 0.21 | 0.00 | 1.80 | 1.17 | 1.83 | 0.60 | 0.00 | 1.20 | 1.56 | 1.48 | 0.14 | 3.80 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-182 REGIONAL STANDING CROP (IN THOUSANDS) OF SPOTTAIL SHINER YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 4 | 25 | 13 | 78 | 69 | 25 | 328 | 194 | 94 | 130 | 961 |
| 15JUN | SE | 0 | 0 | 4 | 12 | 7 | 52 | 19 | 5 | 153 | 46 | 20 | 57 | 180 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 8 | 18 | 11 | 0 | 74 | 2 | 13 | 92 | 38 | 34 | 290 |
| 28JUN | SE | 0 | 0 | 5 | 18 | 4 | 0 | 42 | 2 | 5 | 38 | 16 | 21 | 66 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 12 | 6 | 82 | 38 | 2 | 61 | 213 | 132 | 10 | 557 |
| 12JUL | SE | 0 | 0 | 0 | 12 | 5 | 76 | 24 | 1 | 29 | 52 | 54 | 7 | 114 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 2 | 27 | 12 | 3 | 6 | 28 | 140 | 69 | 493 | 780 |
| 27JUL | SE | 0 | 0 | 0 | 2 | 18 | 9 | 3 | 4 | 18 | 47 | 32 | 488 | 493 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 6 | 17 | 78 | 65 | 80 | 253 |
| 10AUG | SE | 0 | 2 | 2 | 2 | 2 | 0 | 0 | 5 | 9 | 35 | 43 | 44 | 72 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 4 | 4 | 12 | 7 | 4 | 5 | 144 | 122 | 0 | 303 |
| 23AUG | SE | 0 | 0 | 0 | 2 | 2 | 8 | 4 | 3 | 3 | 71 | 109 | 0 | 131 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 65 | 2 | 141 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 55 | 2 | 67 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 2 | 0 | 8 | 0 | 0 | 4 | 2 | 47 | 20 | 0 | 83 |
| 20SEP | SE | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 3 | 2 | 30 | 11 | 0 | 33 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 20 | 18 | 0 | 42 |
| 05OCT | SE | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 16 | 14 | 0 | 21 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 9 | 0 | 17 | 4 | 20 | 4 | 0 | 10 | 43 | 59 | 2 | 168 |
| 18OCT | SE | 0 | 9 | 0 | 17 | 3 | 20 | 4 | 0 | 10 | 27 | 29 | 2 | 50 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-183 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-183 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-184 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-184 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-185 REGIONAL DENSITY (NO./1,000m3) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-186 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-187 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-188 REGIONAL STANDING CROP (IN THOUSANDS) OF ATLANTIC STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-189 REGIONAL DENSITY (NO./1,000m3) OF SHORTNOSE STURGEON POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.56 | 0.08 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.56 | 0.71 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-189 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF SHORTNOSE STURGEON POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-190 REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 40 | 109 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 40 | 79 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-19O (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON POST YOLK-SAC LARVAE IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-191 REGIONAL DENSITY (NO./1,000m3) OF SHORTNOSE STURGEON YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | < 0.005 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | < 0.005 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-192 REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 11 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-193 REGIONAL DENSITY (NO./1,000m3) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-193 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.03 |
| 07SEP | SE | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.23 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.02 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.17 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-194 REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-194 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 54 |
| 07SEP | SE | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 54 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 25 |
| 21SEP | SE | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | | | | | | 25 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-195 REGIONAL DENSITY (NO./1,000m3) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 20JUL | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.00 | 0.06 | 0.00 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.02 |
| 17AUG | SE | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.00 | 0.04 | 0.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.09 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 0.06 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 28SEP | SE | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 12OCT | SE | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.03 | 0.00 | 0.00 | 0.05 | 0.06 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.00 | 0.01 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.00 | 0.05 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-196 REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 11 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 7 | 0 | 0 | 2 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 20JUL | SE | 0 | 0 | 7 | 0 | 0 | 2 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 13 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 7 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 10 | 4 | 0 | 0 | 9 | 0 | 9 | 9 | 0 | 0 | 0 | 40 |
| 17AUG | SE | 0 | 0 | 10 | 4 | 0 | 0 | 6 | 0 | 4 | 9 | 0 | 0 | 0 | 16 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 4 | 3 | 0 | 9 | 4 | 3 | 0 | 0 | 0 | 0 | 22 |
| 31AUG | SE | 0 | 0 | 0 | 4 | 3 | 0 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 9 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 13 | 0 | 0 | 0 | 0 | 0 | 23 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 9 | 0 | 0 | 0 | 0 | 0 | 11 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 28SEP | SE | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 15 |
| 12OCT | SE | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 4 | 0 | 0 | 4 | 14 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 4 | 0 | 0 | 4 | 7 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 8 | 0 | 0 | 15 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 0 | 0 | 7 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-197 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 07SEP | SE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-198 REGIONAL STANDING CROP (IN THOUSANDS) OF SHORTNOSE STURGEON YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07SEP | SE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-199 REGIONAL DENSITY (NO./1,000m3) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-199 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.01 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | | | | | | 0.10 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.01 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | | | | | | 0.12 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | NS | NS | NS | NS | NS | 0.04 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | | | | | | 0.29 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-200 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-200 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | NS | NS | NS | NS | NS | 20 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | | | | | | 20 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | NS | NS | NS | NS | NS | 25 |
| 21SEP | SE | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | | | | | | 25 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | NS | NS | NS | NS | NS | 40 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | | | | | | 40 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-201 REGIONAL DENSITY (NO./1,000m3) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUL | SE | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.09 | 0.94 | 0.00 | 0.09 | 0.09 |
| 20JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.73 | 0.00 | 0.09 | 0.74 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.29 | 0.11 | 0.30 | 0.00 | 0.12 | 0.20 | 0.27 | 0.10 |
| 03AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.29 | 0.07 | 0.29 | 0.00 | 0.07 | 0.20 | 0.27 | 0.54 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.12 | 0.78 | 0.21 | 0.00 | 0.10 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.09 | 0.07 | 0.72 | 0.11 | 0.00 | 0.74 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.17 | 0.30 | 0.39 | 0.00 | 0.07 |
| 31AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.17 | 0.22 | 0.39 | 0.00 | 0.48 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.07 | 0.04 | 0.06 | 0.06 | 0.56 | 0.11 | 0.00 | 0.08 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.02 | 0.03 | 0.06 | 0.25 | 0.11 | 0.00 | 0.29 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.02 | 0.00 | 0.07 | 0.00 | 0.10 | 0.03 |
| 28SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.16 | 0.02 | 0.00 | 0.07 | 0.00 | 0.10 | 0.20 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | 0.01 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.03 |
| 12OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.01 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.31 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.20 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.05 | 0.00 | 0.02 | 0.09 | 0.00 | 0.00 | 0.01 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.05 | 0.00 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.04 | 0.03 | 0.01 | 0.00 | 0.05 | 0.00 | 0.00 | 0.01 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0.02 | 0.01 | 0.00 | 0.03 | 0.00 | 0.00 | 0.05 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-202 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUL | SE | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 13 | 166 | 0 | 6 | 190 |
| 20JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 129 | 0 | 6 | 129 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 41 | 32 | 50 | 0 | 21 | 33 | 19 | 196 |
| 03AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 41 | 20 | 47 | 0 | 12 | 33 | 19 | 77 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 25 | 16 | 138 | 34 | 0 | 244 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 14 | 10 | 128 | 17 | 0 | 132 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 24 | 52 | 63 | 0 | 146 |
| 31AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 24 | 40 | 63 | 0 | 78 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 16 | 10 | 13 | 10 | 8 | 98 | 18 | 0 | 173 |
| 14SEP | SE | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 6 | 5 | 8 | 45 | 18 | 0 | 50 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 52 | 3 | 0 | 12 | 0 | 7 | 75 |
| 28SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 49 | 3 | 0 | 12 | 0 | 7 | 51 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 6 | 10 | 4 | 0 | 43 | 0 | 0 | 0 | 63 |
| 12OCT | SE | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 4 | 0 | 43 | 0 | 0 | 0 | 43 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 17 | 28 | 10 | 5 | 0 | 0 | 0 | 0 | 60 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 10 | 3 | 0 | 0 | 0 | 0 | 19 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 | 0 | 3 | 16 | 0 | 0 | 36 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 | 0 | 3 | 11 | 0 | 0 | 19 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 6 | 0 | 5 | 9 | 2 | 0 | 8 | 0 | 0 | 31 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 | 2 | 0 | 6 | 0 | 0 | 10 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-203 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.01 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.11 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-204 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-205 REGIONAL DENSITY (NO./1,000m3) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.04 | NS | NS | NS | NS | NS | NS | 0.05 |
| 22MAR | SE | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.04 | | | | | | | 0.28 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.04 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | | | | | | | 0.19 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.16 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 06APR | SE | 0.00 | 0.00 | 0.16 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.09 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 13APR | SE | 0.00 | 0.09 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.20 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.20 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 12MAY | SE | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.43 | 0.06 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.00 | 0.19 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.27 | 0.06 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 0.00 | 0.00 | 1.27 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-205 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.32 | 0.96 | 0.00 | 0.35 | 0.17 | 0.14 | 0.00 | 0.30 | 0.00 | 0.00 | 0.17 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.32 | 0.91 | 0.00 | 0.20 | 0.17 | 0.14 | 0.00 | 0.30 | 0.00 | 0.00 | 1.06 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.34 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.34 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.21 | 1.13 | 0.00 | 0.00 | 0.42 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 |
| 22JUN | SE | 0.00 | 0.00 | 0.13 | 0.97 | 0.00 | 0.00 | 0.30 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.05 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.49 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 13JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.18 | 0.18 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.04 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.18 | 0.15 | 0.00 | 0.00 | 0.00 | | | | | | 0.24 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 24AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 07SEP | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.03 |
| 21SEP | SE | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.21 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.02 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | | | | | | 0.13 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-206 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 89 | 0 | 0 | 0 | 6 | NS | NS | NS | NS | NS | NS | 95 |
| 22MAR | SE | 0 | 0 | 89 | 0 | 0 | 0 | 6 | | | | | | | 89 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 56 | 0 | 0 | NS | NS | NS | NS | NS | NS | 56 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 40 | 0 | 0 | | | | | | | 40 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 52 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 |
| 06APR | SE | 0 | 0 | 52 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 20 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| 13APR | SE | 0 | 20 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 24 | 0 | 0 | 29 | 0 | 21 | 0 | 0 | 0 | 0 | 73 |
| 27APR | SE | 0 | 0 | 0 | 24 | 0 | 0 | 29 | 0 | 21 | 0 | 0 | 0 | 0 | 43 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| 12MAY | SE | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 114 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 140 |
| 26MAY | SE | 0 | 0 | 0 | 44 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 64 | 12 | 21 | 0 | 0 | 0 | 0 | 328 | 0 | 0 | 425 |
| 02JUN | SE | 0 | 0 | 0 | 40 | 12 | 21 | 0 | 0 | 0 | 0 | 217 | 0 | 0 | 222 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-206 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 47 | 200 | 0 | 49 | 52 | 24 | 0 | 53 | 0 | 0 | 425 |
| 08JUN | SE | 0 | 0 | 0 | 47 | 191 | 0 | 28 | 52 | 24 | 0 | 53 | 0 | 0 | 213 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 49 | 0 | 47 | 0 | 19 | 0 | 0 | 0 | 0 | 115 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 28 | 0 | 47 | 0 | 19 | 0 | 0 | 0 | 0 | 58 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 69 | 167 | 0 | 0 | 58 | 0 | 19 | 0 | 0 | 0 | 0 | 314 |
| 22JUN | SE | 0 | 0 | 42 | 144 | 0 | 0 | 42 | 0 | 19 | 0 | 0 | 0 | 0 | 157 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 75 | 0 | 124 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 75 | 0 | 89 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 13JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 27 | 37 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 64 |
| 10AUG | SE | 0 | 0 | 0 | 27 | 31 | 0 | 0 | 0 | | | | | | 41 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 24AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 07SEP | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 30 |
| 21SEP | SE | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | | | | | | 30 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 26 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | | | | | | 26 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-207 REGIONAL DENSITY (NO./1,000m3) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.02 | 0.00 | 0.06 | 0.05 | 0.04 | 0.08 | 0.01 | 0.00 | 0.17 | 0.06 | 0.11 | 0.25 | 0.07 |
| 08JUL | SE | | 0.02 | 0.00 | 0.04 | 0.04 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.06 | 0.11 | 0.25 | 0.31 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.09 | 0.03 | 0.09 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.02 |
| 20JUL | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.12 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.00 | 0.00 | 0.05 | 0.00 | 0.05 | 0.02 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 03AUG | SE | 0.00 | 0.00 | 0.03 | 0.00 | 0.03 | 0.01 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.06 | 0.16 | 0.04 | 0.08 | < 0.005 | 0.01 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.04 |
| 17AUG | SE | 0.00 | 0.00 | 0.06 | 0.11 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.15 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.00 | 0.00 | 0.03 | 0.00 | 0.29 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 31AUG | SE | 0.00 | 0.00 | 0.03 | 0.00 | 0.29 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.01 | 0.06 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 14SEP | SE | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.01 | 0.04 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.00 | 0.08 | 0.03 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.06 | 0.13 | 0.00 | 0.00 | 0.02 |
| 28SEP | SE | 0.00 | 0.00 | 0.04 | 0.03 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.06 | 0.07 | 0.00 | 0.00 | 0.11 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.03 | 0.08 | 0.03 | 0.05 | 0.02 | 0.01 | 0.01 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.03 |
| 12OCT | SE | 0.00 | 0.03 | 0.04 | 0.03 | 0.03 | 0.01 | 0.01 | 0.01 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.04 | 0.03 | 0.01 | 0.00 | 0.04 | 0.03 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 0.02 |
| 26OCT | SE | 0.00 | 0.00 | 0.04 | 0.03 | 0.01 | 0.00 | 0.04 | 0.03 | 0.03 | 0.04 | 0.00 | 0.04 | 0.00 | 0.09 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.02 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.01 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.01 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.26 | 0.00 | 0.07 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.00 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-208 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 5 | 0 | 9 | 11 | 8 | 11 | 4 | 0 | 24 | 11 | 17 | 18 | 118 |
| 08JUL | SE | . | 5 | 0 | 6 | 8 | 5 | 9 | 4 | 0 | 16 | 11 | 17 | 18 | 35 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 0 | 8 | 0 | 19 | 5 | 12 | 0 | 0 | 0 | 11 | 0 | 0 | 55 |
| 20JUL | SE | 0 | 0 | 8 | 0 | 19 | 3 | 6 | 0 | 0 | 0 | 11 | 0 | 0 | 24 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 0 | 0 | 15 | 0 | 10 | 4 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 46 |
| 03AUG | SE | 0 | 0 | 9 | 0 | 6 | 2 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 20 | 23 | 9 | 16 | 1 | 4 | 0 | 15 | 0 | 0 | 0 | 88 |
| 17AUG | SE | 0 | 0 | 20 | 16 | 5 | 8 | 1 | 4 | 0 | 9 | 0 | 0 | 0 | 29 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 0 | 0 | 8 | 0 | 61 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| 31AUG | SE | 0 | 0 | 8 | 0 | 59 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 9 | 0 | 0 | 2 | 9 | 56 | 0 | 0 | 0 | 0 | 0 | 76 |
| 14SEP | SE | 0 | 0 | 9 | 0 | 0 | 2 | 5 | 48 | 0 | 0 | 0 | 0 | 0 | 49 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 0 | 25 | 4 | 0 | 2 | 1 | 0 | 0 | 8 | 22 | 0 | 0 | 63 |
| 28SEP | SE | 0 | 0 | 14 | 4 | 0 | 2 | 1 | 0 | 0 | 8 | 13 | 0 | 0 | 21 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 6 | 26 | 5 | 10 | 3 | 1 | 4 | 0 | 17 | 0 | 0 | 0 | 72 |
| 12OCT | SE | 0 | 6 | 14 | 5 | 5 | 2 | 1 | 4 | 0 | 10 | 0 | 0 | 0 | 20 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 12 | 4 | 2 | 0 | 5 | 10 | 7 | 5 | 0 | 7 | 0 | 52 |
| 26OCT | SE | 0 | 0 | 12 | 4 | 2 | 0 | 5 | 10 | 5 | 5 | 0 | 7 | 0 | 20 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 10 | 4 | 3 | 5 | 0 | 3 | 0 | 0 | 0 | 25 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 5 | 2 | 3 | 5 | 0 | 3 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 4 | 55 | 0 | 10 | 14 | 0 | 0 | 0 | 0 | 0 | 83 |
| 30NOV | SE | 0 | 0 | 0 | 4 | 12 | 0 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 17 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-209 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.01 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.01 |
| 12JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.07 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.11 | 0.00 | 0.00 | 0.03 |
| 27JUL | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.11 | 0.00 | 0.00 | 0.23 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 10AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 07SEP | SE | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 20SEP | SE | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-210 REGIONAL STANDING CROP (IN THOUSANDS) OF WHITE CATFISH YEARLING AND OLDER IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 12JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | < 0.5 | 0 | 2 | 0 | 0 | 2 |
| 27JUL | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | < 0.5 | 0 | 2 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10AUG | SE | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07SEP | SE | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 20SEP | SE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-211 REGIONAL DENSITY (NO./1,000m3) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 02JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-211 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 22JUN | SE | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 29JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 65.61 | 28.57 | 43.20 | 66.01 | 0.47 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 25.48 |
| 13JUL | SE | 0.00 | 35.76 | 11.86 | 14.60 | 24.34 | 0.47 | 0.00 | 0.00 | | | | | | 47.18 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 129.79 | 17.10 | 5.89 | 5.86 | 1.70 | 0.00 | 0.25 | 0.00 | NS | NS | NS | NS | NS | 20.07 |
| 27JUL | SE | 129.79 | 2.99 | 3.29 | 1.95 | 1.11 | 0.00 | 0.25 | 0.00 | | | | | | 129.89 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 40.05 | 24.42 | 25.36 | 4.79 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 11.83 |
| 10AUG | SE | 20.10 | 5.80 | 20.18 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 29.12 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 31.39 | 2.15 | 4.73 | 0.47 | 0.14 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 4.86 |
| 24AUG | SE | 25.06 | 2.15 | 3.20 | 0.47 | 0.11 | 0.00 | 0.00 | 0.00 | | | | | | 25.36 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 2.59 | 6.53 | 2.81 | 2.96 | 0.84 | 0.00 | 0.04 | 0.00 | NS | NS | NS | NS | NS | 1.97 |
| 07SEP | SE | 1.89 | 2.82 | 0.83 | 1.02 | 0.67 | 0.00 | 0.04 | 0.00 | | | | | | 3.70 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 2.87 | 2.59 | 0.48 | 0.00 | 0.53 | 0.00 | 0.00 | 0.23 | NS | NS | NS | NS | NS | 0.84 |
| 21SEP | SE | 2.87 | 1.75 | 0.48 | 0.00 | 0.34 | 0.00 | 0.00 | 0.23 | | | | | | 3.42 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 4.47 | 1.86 | 0.00 | 0.19 | 0.12 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.83 |
| 05OCT | SE | 2.66 | 1.86 | 0.00 | 0.19 | 0.12 | 0.00 | 0.00 | 0.00 | | | | | | 3.25 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-212 REGIONAL STANDING CROP (IN THOUSANDS) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-212 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 22JUN | SE | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 15052 | 9193 | 6382 | 13753 | 98 | 0 | 0 | NS | NS | NS | NS | NS | 44478 |
| 13JUL | SE | 0 | 8205 | 3817 | 2157 | 5071 | 98 | 0 | 0 | | | | | | 10596 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 27128 | 3922 | 1894 | 866 | 354 | 0 | 35 | 0 | NS | NS | NS | NS | NS | 34199 |
| 27JUL | SE | 27128 | 685 | 1060 | 288 | 231 | 0 | 35 | 0 | | | | | | 27160 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 8371 | 5602 | 8160 | 708 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 22842 |
| 10AUG | SE | 4201 | 1331 | 6494 | 270 | 0 | 0 | 0 | 0 | | | | | | 7853 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 6560 | 492 | 1523 | 70 | 30 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 8676 |
| 24AUG | SE | 5237 | 492 | 1028 | 70 | 24 | 0 | 0 | 0 | | | | | | 5360 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 541 | 1499 | 905 | 438 | 175 | 0 | 6 | 0 | NS | NS | NS | NS | NS | 3564 |
| 07SEP | SE | 395 | 648 | 267 | 151 | 141 | 0 | 6 | 0 | | | | | | 830 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 601 | 594 | 153 | 0 | 111 | 0 | 0 | 69 | NS | NS | NS | NS | NS | 1527 |
| 21SEP | SE | 601 | 400 | 153 | 0 | 71 | 0 | 0 | 69 | | | | | | 745 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 934 | 426 | 0 | 29 | 26 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 1414 |
| 05OCT | SE | 556 | 426 | 0 | 29 | 26 | 0 | 0 | 0 | | | | | | 701 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-213 REGIONAL DENSITY (NO./1,000m3) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 2.43 | 1.62 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 |
| 08JUL | SE | | 1.51 | 0.37 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 3.25 | 8.17 | 5.73 | 5.86 | 24.01 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 0.00 | 0.00 | 0.00 | 4.05 |
| 20JUL | SE | 1.39 | 2.53 | 2.21 | 2.59 | 6.45 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 0.00 | 0.00 | 0.00 | 9.64 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 68.75 | 10.90 | 2.10 | 10.49 | 6.14 | 0.17 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.59 |
| 03AUG | SE | 14.94 | 5.98 | 0.69 | 2.07 | 2.23 | 0.17 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.39 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 6.67 | 4.59 | 5.76 | 2.75 | 5.26 | 0.00 | < 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 |
| 17AUG | SE | 2.80 | 2.03 | 2.36 | 0.52 | 1.43 | 0.00 | < 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.45 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 7.22 | 0.09 | 1.07 | 0.74 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 |
| 31AUG | SE | 3.34 | 0.04 | 0.33 | 0.25 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.37 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 6.20 | 2.12 | 1.20 | 0.03 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 |
| 14SEP | SE | 1.43 | 0.56 | 0.58 | 0.03 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 2.83 | 5.31 | 0.72 | 0.38 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 |
| 28SEP | SE | 1.09 | 1.66 | 0.22 | 0.20 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 1.20 | 1.16 | 0.23 | 0.18 | 0.14 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 |
| 12OCT | SE | 0.44 | 0.50 | 0.13 | 0.09 | 0.08 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 5.46 | 1.40 | 0.16 | 0.02 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 |
| 26OCT | SE | 2.24 | 0.61 | 0.13 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.27 | 0.03 | 0.02 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 09NOV | SE | 0.10 | 0.03 | 0.02 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.74 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 30NOV | SE | 0.19 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-214 REGIONAL STANDING CROP (IN THOUSANDS) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 558 | 523 | 357 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1438 |
| 08JUL | SE | . | 347 | 119 | 143 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 394 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 680 | 1873 | 1845 | 865 | 5003 | 0 | 0 | 0 | 0 | 792 | 0 | 0 | 0 | 11058 |
| 20JUL | SE | 290 | 580 | 711 | 383 | 1345 | 0 | 0 | 0 | 0 | 792 | 0 | 0 | 0 | 1873 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 14370 | 2501 | 675 | 1549 | 1280 | 36 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 20463 |
| 03AUG | SE | 3122 | 1372 | 221 | 305 | 466 | 36 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 3463 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 1393 | 1053 | 1852 | 406 | 1095 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5801 |
| 17AUG | SE | 584 | 466 | 758 | 77 | 298 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1108 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 1508 | 21 | 345 | 109 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2084 |
| 31AUG | SE | 698 | 9 | 105 | 37 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 709 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 1296 | 487 | 387 | 5 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2199 |
| 14SEP | SE | 300 | 129 | 185 | 5 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 375 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 592 | 1218 | 231 | 56 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2110 |
| 28SEP | SE | 228 | 380 | 70 | 30 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 450 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 250 | 266 | 76 | 26 | 30 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 650 |
| 12OCT | SE | 92 | 115 | 40 | 13 | 16 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 154 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 1141 | 320 | 52 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1524 |
| 26OCT | SE | 468 | 139 | 40 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 489 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 57 | 6 | 5 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 |
| 09NOV | SE | 21 | 6 | 5 | 11 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 155 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 177 |
| 30NOV | SE | 39 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-215 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 12JUL | SE | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.80 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 27JUL | SE | 0.80 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.20 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 10AUG | SE | 0.20 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.00 | 0.04 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 23AUG | SE | 0.00 | 0.04 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 07SEP | SE | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.20 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| 20SEP | SE | 0.20 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-216 REGIONAL STANDING CROP (IN THOUSANDS) OF WEAKFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 12JUL | SE | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 27JUL | SE | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 10AUG | SE | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 23AUG | SE | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 07SEP | SE | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 20SEP | SE | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-217 REGIONAL DENSITY (NO./1,000m3) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 10MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 22MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | NS | 0.00 |
| 29MAR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | 0.00 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 06APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27APR | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 04MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26MAY | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | DENSITY | 0.24 | 0.51 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 02JUN | SE | 0.24 | 0.26 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-217 (CONT.) REGIONAL DENSITY (NO./1,000m3) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | DENSITY | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 08JUN | SE | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22JUN | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | DENSITY | 0.00 | 0.00 | 0.12 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 29JUN | SE | 0.00 | 0.00 | 0.12 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | DENSITY | 0.00 | 0.00 | 0.96 | 2.37 | 1.18 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.56 |
| 13JUL | SE | 0.00 | 0.00 | 0.61 | 1.36 | 0.56 | 0.00 | 0.00 | 0.00 | | | | | | 1.60 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | DENSITY | 0.00 | 0.00 | 0.76 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.16 |
| 27JUL | SE | 0.00 | 0.00 | 0.48 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | | | | | | 0.69 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | DENSITY | 0.00 | 0.12 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.03 |
| 10AUG | SE | 0.00 | 0.12 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.19 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | DENSITY | 0.00 | 0.00 | 0.42 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.07 |
| 24AUG | SE | 0.00 | 0.00 | 0.42 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.45 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | DENSITY | 0.00 | 0.90 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.15 |
| 07SEP | SE | 0.00 | 0.74 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.76 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | DENSITY | 0.00 | 0.17 | 0.24 | 0.18 | 0.04 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.08 |
| 21SEP | SE | 0.00 | 0.17 | 0.24 | 0.18 | 0.04 | 0.00 | 0.00 | 0.00 | | | | | | 0.35 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NS | NS | NS | NS | NS | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 0.00 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-218 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 10MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 11 | | | | | | | 73 |
| 20MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 22MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 9 | 11 | 10 | 10 | 12 | | | | | | | 72 |
| 27MAR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | NS | 0 |
| 29MAR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| | NO. TOWS | 10 | 10 | 11 | 11 | 10 | 10 | 12 | | | | | | | 74 |
| 03APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 06APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 10APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 17APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 13 | 15 | 15 | 12 | 10 | 11 | 6 | 7 | 7 | 7 | 7 | 9 | 126 |
| 24APR- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27APR | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 01MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 08MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 6 | 13 | 15 | 15 | 12 | 6 | 14 | 10 | 11 | 7 | 8 | 8 | 10 | 135 |
| 15MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 6 | 8 | 6 | 6 | 125 |
| 22MAY- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26MAY | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 14 | 10 | 9 | 7 | 8 | 6 | 6 | 126 |
| 30MAY- | ST. CROP | 50 | 117 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219 |
| 02JUN | SE | 50 | 59 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 |
| | NO. TOWS | 8 | 10 | 14 | 14 | 13 | 7 | 13 | 10 | 9 | 7 | 8 | 6 | 6 | 125 |

TABLE D-218 (CONT.) REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM LONG RIVER SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUN- | ST. CROP | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| 08JUN | SE | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 12JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 19JUN- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22JUN | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 26JUN- | ST. CROP | 0 | 0 | 39 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| 29JUN | SE | 0 | 0 | 39 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| | NO. TOWS | 7 | 11 | 14 | 11 | 13 | 9 | 16 | 7 | 10 | 7 | 6 | 6 | 6 | 123 |
| 11JUL- | ST. CROP | 0 | 0 | 308 | 351 | 246 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 904 |
| 13JUL | SE | 0 | 0 | 197 | 201 | 117 | 0 | 0 | 0 | | | | | | 305 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 25JUL- | ST. CROP | 0 | 0 | 244 | 0 | 102 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 346 |
| 27JUL | SE | 0 | 0 | 155 | 0 | 102 | 0 | 0 | 0 | | | | | | 185 |
| | NO. TOWS | 6 | 9 | 14 | 14 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 07AUG- | ST. CROP | 0 | 29 | 46 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 75 |
| 10AUG | SE | 0 | 29 | 46 | 0 | 0 | 0 | 0 | 0 | | | | | | 54 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 22AUG- | ST. CROP | 0 | 0 | 134 | 25 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 159 |
| 24AUG | SE | 0 | 0 | 134 | 25 | 0 | 0 | 0 | 0 | | | | | | 136 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 05SEP- | ST. CROP | 0 | 207 | 91 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 297 |
| 07SEP | SE | 0 | 170 | 53 | 0 | 0 | 0 | 0 | 0 | | | | | | 178 |
| | NO. TOWS | 6 | 11 | 13 | 13 | 13 | 8 | 10 | 6 | | | | | | 80 |
| 19SEP- | ST. CROP | 0 | 40 | 77 | 27 | 8 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 152 |
| 21SEP | SE | 0 | 40 | 77 | 27 | 8 | 0 | 0 | 0 | | | | | | 91 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NS | NS | NS | NS | NS | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| | NO. TOWS | 6 | 11 | 13 | 14 | 13 | 8 | 10 | 6 | | | | | | 81 |

TABLE D-219 REGIONAL DENSITY (NO./1,000m3) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | DENSITY | NS | 0.00 | 0.00 | 0.48 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| 08JUL | SE | | 0.00 | 0.00 | 0.28 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | DENSITY | 0.00 | 0.02 | 0.02 | 0.19 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 20JUL | SE | 0.00 | 0.02 | 0.02 | 0.12 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | DENSITY | 0.06 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 03AUG | SE | 0.04 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17AUG | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | DENSITY | 0.11 | 0.02 | 0.21 | 0.17 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 |
| 31AUG | SE | 0.04 | 0.02 | 0.10 | 0.10 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | DENSITY | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 14SEP | SE | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | DENSITY | 0.00 | 0.07 | 0.03 | 0.03 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| 28SEP | SE | 0.00 | 0.07 | 0.03 | 0.03 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | DENSITY | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.005 |
| 12OCT | SE | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 09NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | DENSITY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30NOV | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-220 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM FALL SHOALS SURVEY, 2000

| DATE | | BT | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05JUL- | ST. CROP | NS | 0 | 0 | 71 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 |
| 08JUL | SE | . | 0 | 0 | 41 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| | NO. TOWS | 0 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 196 |
| 17JUL- | ST. CROP | 0 | 5 | 7 | 27 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 |
| 20JUL | SE | 0 | 5 | 7 | 18 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 11 | 6 | 6 | 8 | 210 |
| 31JUL- | ST. CROP | 13 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 03AUG | SE | 8 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 14AUG- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17AUG | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 21 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 28AUG- | ST. CROP | 22 | 6 | 68 | 25 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223 |
| 31AUG | SE | 8 | 6 | 32 | 15 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 23 | 22 | 22 | 14 | 10 | 6 | 6 | 6 | 210 |
| 11SEP- | ST. CROP | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 14SEP | SE | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 13 | 10 | 6 | 6 | 8 | 209 |
| 25SEP- | ST. CROP | 0 | 17 | 8 | 4 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| 28SEP | SE | 0 | 17 | 8 | 4 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| | NO. TOWS | 13 | 18 | 24 | 22 | 22 | 22 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 209 |
| 10OCT- | ST. CROP | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 12OCT | SE | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | NO. TOWS | 14 | 18 | 24 | 22 | 23 | 21 | 22 | 22 | 14 | 10 | 6 | 6 | 8 | 210 |
| 23OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |
| 06NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 9 | 10 | 9 | 10 | 10 | 8 | 150 |
| 27NOV- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30NOV | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 12 | 16 | 13 | 11 | 15 | 12 | 15 | 10 | 10 | 8 | 10 | 10 | 8 | 150 |

TABLE D-221 REGIONAL CATCH-PER-UNIT-EFFORT (CPUE) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | CPUE | 21.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 |
| 15JUN | SE | 17.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.89 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | CPUE | 2.33 | 0.36 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 |
| 28JUN | SE | 0.33 | 0.28 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | CPUE | 1.33 | 2.09 | 0.86 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 |
| 12JUL | SE | 1.33 | 0.79 | 0.46 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | CPUE | 0.80 | 1.58 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 |
| 27JUL | SE | 0.49 | 0.74 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | CPUE | 0.80 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| 10AUG | SE | 0.80 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | CPUE | 0.20 | 0.38 | 0.86 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 |
| 23AUG | SE | 0.20 | 0.15 | 0.36 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | CPUE | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 07SEP | SE | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | CPUE | 0.80 | 0.46 | 0.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 |
| 20SEP | SE | 0.80 | 0.23 | 0.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 05OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | CPUE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18OCT | SE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |

TABLE D-222 REGIONAL STANDING CROP (IN THOUSANDS) OF BLUEFISH YOUNG-OF-YEAR IN HUDSON RIVER ESTUARY DETERMINED FROM BEACH SEINE SURVEY, 2000

| DATE | | YK | TZ | CH | IP | WP | CW | PK | HP | KG | SG | CS | AL | ALL REGIONS COMBINED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13JUN- | ST. CROP | 161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 161 |
| 15JUN | SE | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 135 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 26JUN- | ST. CROP | 18 | 17 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 28JUN | SE | 3 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 10JUL- | ST. CROP | 10 | 95 | 23 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 |
| 12JUL | SE | 10 | 36 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| | NO. TOWS | 3 | 11 | 7 | 3 | 3 | 3 | 8 | 8 | 8 | 15 | 19 | 12 | 100 |
| 24JUL- | ST. CROP | 6 | 72 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| 27JUL | SE | 4 | 34 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 07AUG- | ST. CROP | 6 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 10AUG | SE | 6 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 21AUG- | ST. CROP | 2 | 17 | 23 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| 23AUG | SE | 2 | 7 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 05SEP- | ST. CROP | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 07SEP | SE | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 18SEP- | ST. CROP | 6 | 21 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 20SEP | SE | 6 | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 03OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |
| 16OCT- | ST. CROP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18OCT | SE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | NO. TOWS | 5 | 24 | 14 | 5 | 5 | 6 | 5 | 5 | 5 | 9 | 10 | 7 | 100 |