Geometric Mean Monthly Ichthyoplankton Densities

Marine Ecology Studies, Report # 67
Entrainment Report: including data from Jan. - Dec. 2005

APPENDIX B

Geometric mean monthly densities and 95% confidence limits per 100 m^3 of water for the dominant species of fish eggs and larvae entrained at PNPS, January-December 1981-2005.

Appendix B is formatted into four sections:

EGGS: Jan. - June	1981 - 2005
EGGS: July - Dec.	1981 - 2005
LARVAE: Jan. - June	1981 - 2005
LARVAE: July - Dec.	1981 - 2005

Note the following:

When extra sampling series were required under the contingency sampling regime, results were included in calculating monthly mean densities.

Shaded columns for certain months in 1984, 1987, and 1999 delineate periods when sampling was conducted for all or part of a month with only salt service water pumps in operation. Densities recorded at those times were probably biased low due to low through-plant water flow.

January

EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Gadus morhua	2.8 1.1-6	0.5 0.1-1	0	0.3 0-1.1	0	0.5 0-1.5	0.09 0-0.4	0	0
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0.05 0-0.2	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0	0	0
Total	2.9 1.1-6	0.05 0.1-1	0	0.3 0-1.1	0	0.5 0-1.5	0.09 0-0.4	0	0

January (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0	0	0.13 0-0.5
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0.1 0-0.5	0	0
Gadus morhua	0.4 0-1.1	0	0	0	0	0.09 0-0.4	0	0	0.32 0-1
Pollachius virens	0	0	0	0	0	0	0	0.09 0-0.4	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0	0	0.13 0-0.5
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Pleuronectes ferrugineus	0	0	0	0.2 0-0.7	0	0.3 0-0.9	0	0	0
Total	0.4 0-1.1	0	0	0.2 0-0.7	0	0.3 0-1.1	0.1 0-1.1	0.09 0-0.4	0.69 0.2-1.3

January (continued)							
EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0.5 0-2	0.1 0-0.3	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0
Gadus morhua	0	3.0 0-27	0.6 0-1.7	1.3 0.04-4	1.7 0.2-5	0.7 0.2-1.4	2.1 0-19
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0
Total	0	3.0 0-27	1.4 0.4-3	1.5 0.2-4	1.7 0.2-5	0.7 0.2-1.4	2.1 0-19

February									
EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Gadus morhua	1.0 0.2-2.2	0.08 0-0.3	0.2 0-0.7	1.2 0.6-2.1	0.4 0-1	0.4 0-1	0.1 0-0.4	0	0
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0.3 0-0.8	0.3 0.1-0.6	0	0	0	0.08 0-0.3	0
Limanda ferruginea	0	0	0	0	0	0	0	0	0
Total	1.9 0.1-7.1	0.08 0-0.3	0.5 0-1.4	1.6 0.8-2.9	0.8 0.3-1.6	0.4 0-1	1.0 0-0.4	0.08 0-0.3	0.1 0-0.4

February (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0.2 0-0.7
Gadus morhua	0	0	0.2 0-0.8	0	0	0	0.3 0-1.1	0.2 0-0.9	2.1 0.7-4.8
Pollachius virens	0	0	0	0	0	0	0	0.3 0-1.1	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides	0	0	0	0	0	0	0	0	0.3 0-1.4
Limanda ferruginea	0	0	0	0.1 0-0.5	0	0	0	0	0
Total	0	0	0.2 0-0.8	0.1 0-0.5	0	0	0.3 0-1.1	0.7 0.5-1.1	2.9 1-6.1

February (continued)							
EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0.08 0-0.3	0	0	0	0	0	0.15 0-0.4
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0
Gadus morhua	0.2 0-0.5	0	0.9 0-5.8	1.5 0.4-3.7	1.1 0.2-2.5	0.5 0.1-1	1.0 0.2-2.5
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0
Labridae	0	0	0	0.1 0-0.3	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0
Total	0.3 0-0.9	0	0.9 0-5.8	1.7 0.6-3.7	1.1 0.2-2.5	0.5 0.1-1	1.34 0.5-2.7

March

EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0.4 0-0.9	0.08 0-0.2	0	0	0.4 0-1	0.1 0-0.3	0.04 0-0.1
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0.08 0-0.2	0
Gadus morhua	0.9 0.2-2	0.3 0-0.8	2.9 1.1-5.9	1.7 0.8-2.9	0.2 0-0.5	0.3 0.1-0.6	0.3 0-0.8	0.2 0.01-0.4	0.04 0-0.1
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	1.7 0.4-4.3	0	6.0 3.3-10	2.7 1.4-4.7	0.2 0-0.5	0	0	0.09 0-0.2	0.07 0-0.2
Limanda ferruginea	0.03 0-0.1	0	0	0.07 0-0.2	0.04 0-0.1	0.03 0-0.1	0	0.06 0-0.2	0
Total	4.1 1.6-8.7	0.9 0.2-2.1	10.4 5.8-18	5.3 3.1-8.5	1.4 0.4-3.2	2.3 0.6-5.5	12.1 2-56	2.4 0.6-6.3	0.3 0.04-0.6

March (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0.05 0-0.2	0	0	0.2 0-0.5	0.06 0-0.2	0.1 0-0.3	0	0.1 0-0.4
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0.2 0-0.5	0	0	0.2 0-0.7	0
Gadus morhua	0	0.2 0-0.4	0	0.2 0-0.4	0.05 0-0.2	0.6 0-1.6	0.5 0.2-0.9	0	0.1 0-0.3
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0.2 0-0.5	0.07 0-0.2	0.04 0-0.1	0.3 0.01-0.7	0.1 0-0.4	0.3 0-0.7	0	0.2 0-0.5
Limanda ferruginea	0	0	0	0	0.2 0.01-0.5	0	0	0	0.1 0-0.3
Total	0	0.4 0.01-0.9	0.2 0-0.5	0.6 0-1.9	1.8 0.6-3.8	1.0 0.2-2.5	1.2 0.3-2.7	1.2 0-5	0.7 0.2-1.3

March (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0.3 0.01-0.7	0.3 0-0.9	0.2 0-0.6	0	0.4 0.1-0.9	0	0.6 0.1-1.5
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0.1 0-0.2	0	0.05 0-0.2	0.05 0-0.2
Gadus morhua	0.1 0-0.3	0	0.3 0.1-0.6	0	0.7 0.2-1.7	0.05 0-0.2	0.07 0-0.3
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0.2 0-1	0	0	0
Labridae	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Hippogloissoides platessoides	0.3 0-0.7	0	0.3 0-1	0	0.3 0.7-0.6	0	0.1 0-0.2
Limanda ferruginea	0	0	0.1 0-0.4	0	0.6 0-2	0	0
Total	0.8 0.2-1.5	0.3 0-0.9	1.0 0.3-2.3	0.2 0-1	2.3 0.9-4.8	0.2 0-0.5	0.8 0.2-1.8

April

EGGS	1981	1982	1983	1984	1985	1986	1987 [1]	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0		0	0
Gadidae-*Glyptocephalus*	0	0.03 0-0.1	0.4 0.02-0.8	0.5 0-1.3	0	0		0.06 0-0.2	0.06 0-0.2
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0		0	0
Enchelyopus cimbrius	0.2 0-0.5	0.03 0-0.1	0.4 0.01-0.8	0.1 0-0.4	0.5 0-1.4	2.1 0.5-5.4		1.9 0.4-5.2	0.5 0-1.3
Gadus morhua	0.3 0-0.7	0.07 0-0.2	0.4 0.1-0.7	1.4 0.4-3.3	1.0 0.2-2.2	0.1 0-0.4		1.1 0.03-3.4	0.4 0-1
Pollachius virens	0	0	0	0	0.05 0-0.2	0		0	0
Urophycis spp.	0	0	0	0	0	0		0	0
Prionotus spp.	0	0	0	0	0	0		0	0
Labridae-*Limanda*	0	0	0	0	0	0		0	0.2 0-0.9
Labridae	0	0	0	0	0	0		0	0
Scomber scombrus	0	0	0	0	0	0		0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0.2 0-0.5		0	0
Hippogloissoides platessoides	0.7 0.2-1.4	0.6 0.03-1.4	1.5 0.6-2.8	5.2 2.9-8.9	0.9 0.1-2.3	0.1 0-0.4		2.6 1.1-5.4	0.6 0-1.8
Pleuronectes ferrugineus	0.7 0.04-1.8	0.03 0-0.09	1.8 0.6-3.8	1.0 0.2-2.5	1.7 0.3-5	0.3 0-0.7		1.3 0.5-2.5	0.5 0-1.8
Total	4.6 1.2-13	1.0 0.3-2.1	5.8 2.9-11	10.3 7.6-14	6.3 2.7-13	5.4 0.6-10		11.5 6.5-20	1.9 0.2-6.1

[1]No sampling.

April (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0.1 0-0.3	0.2 0-0.5	0	0.1 0-0.5	0	0	0.2 0-0.5	0.2 0-0.6
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	1.0 0-3.7	0.7 0.1-1.7	0.7 0.1-1.7	0.1 0-0.5	0.2 0-0.6	0	0.1 0-0.3	3.9 1.1-9.1	3.4 0.8-9.6
Gadus morhua	0.1 0-0.3	0.7 0.2-1.4	0.8 0.3-1.4	0.2 0-1.1	0.3 0-0.7	0.1 0-0.6	0.3 0.1-0.6	1.4 0.5-2.9	0.8 0.2-1.7
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0	0	0.06 0-0.2	0	0.2 0-0.5	0.6 0-2.3	0.3 0-1.1
Labridae	0	0	0	0	0	0	0	0.3 0-1.1	0.2 0-0.6
Scomber scombrus	0	0	0	0	0	0	0	0.06 0-0.2	0.04 0-0.1
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0.9 0.3-1.9	2.7 1.3-4.8	7.5 3-17	5.7 2.2-13	1.8 0.6-3.7	3.8 3-4.8	0.6 0.1-1.5	5.2 2.7-9.6	4.0 1-12
Limanda ferruginea	0.5 0.1-1	0.6 0.1-1.5	1.0 0.3-2.2	0	0.2 0-0.6	0.7 0-1.8	0	4.6 1.3-13	7.7 2.7-20
Total	4.1 1.9-8.2	7.7 4.7-12	14.7 6.2-33	6.1 2.4-14	3.9 1.9-7.3	7.6 4-14	2.7 0.8-6.6	20.6 9.1-45	23.2 9.9-53

April (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0.1 0-0.2	0	0	0
Gadidae-*Glyptocephalus*	0.7 0.1-1.6	0.9 0.1-2.3	0.8 0.01-2.1	0.3 0-0.8	4.6 0.7-18	1.5 0.5-3.2	0.6 0-1.6
Enchelyopus-Urophycis-Peprilus	0	1.0 0.1-2.6	0	0	0	0	0
Enchelyopus cimbrius	1.6 0.6-3.3	0.1 0-0.3	0	0.7 0.1-1.6	0.3 0-1.4	0.6 0.2-1.1	0.2 0-0.9
Gadus morhua	0.2 0-0.6	0.1 0-0.3	1.2 0.4-2.5	0.4 0-1	1.3 0-4.4	4.4 1.8-9.3	0.6 0-2.1
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0.7 0-2.7	4.0 1.5-8.9	1.7 0.3-4.9	0	0	0.1 0-0.5
Labridae	0	0	0	0.5 0-1.7	0	0	0
Scomber scombrus	0.1 0-5	0	0.1 0-0.2	4.3 0.6-17	0	0	0
Paralichthys-Scophthalmus	0.1 0-0.4	0.0.6 0-0.2	0.1 0-0.2	0.8 0-2.5	0	0	0
Hippoglossoides platessoides	5.3 2.5-10.4	1.0 0-3.2	11.8 5.8-23	0.5 0-1.3	5.7 2.4-12	8.7 4-17	0.7 0-2.2
Limanda ferruginea	2.4 0.8-5.3	0.6 0-1.8	0	1.1 0-3.2	1.1 0-3.6	1.6 0.6-3.2	0.3 0-0.7
Total	13.2 7.5-22	5.9 1.5-18	19.7 9.7-39	10.2 2.2-38	16.8 7.5-36	21.9 12-39	2.9 0-8.3

May

EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0.1
									0-0.3
Gadidae-*Glyptocephalus*	0.2	0.2	2.0	1.4	0.6	0.3	0.8	0.2	0.6
	0-0.6	0.02-0.4	0.6-4.7	0.6-2.5	0.2-1.2	0-0.9	0.1-2	0-0.4	0.1-1.3
Enchelyopus-Urophycis-	6.2	2.2	6.0	3.6	4.5	16.3	10.7	9.2	22.1
Peprilus	3.6-10	1.2-3.6	4.3-8.2	1.3-8.3	1.9-9	6.2-41	5.2-21	2.7-27	6.9-66
Enchelyopus cimbrius	5.2	0.6	3.3	2.2	6.7	13.5	11.2	18.6	8.7
	1.3-16	0.2-1.1	0.6-10	0.5-5.8	4.3-10	5.6-31	5.8-21	6.8-48	3.5-20
Gadus morhua	0.5	0.09	0.5	0.7	0.3	0.2	0.2	0.06	0.3
	0.1-1.1	0-0.2	0.1-0.9	0.3-1.4	0.1-0.6	0-0.4	0-0.6	0-0.2	0-0.6
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0.08	0	0.04	0	0.4	0.06	0.05	0	0.3
	0-0.3		0-0.1		0-0.9	0-0.2	0-0.2		0-1
Prionotus spp.	0	0	0	0	0.2	0	0.06	0	0
					0.1-0.4		0-0.2		
Labridae-*Limanda*	23.0	16.3	6.6	4.9	85.2	18.9	7.1	39.6	47.2
	10-50	7.1-36	1.3-24	2.2-9.7	19-365	6.7-51	2.7-17	13-115	8.3-250
Labridae	1.3	2.4	0.2	0.2	0.6	0.9	0.4	4.4	1.9
	0.1-3.7	1-3-4.2	0-0.4	0-0.6	0-1.5	0-2.6	0.01-1.1	1.6-10	0.5-4.9
Scomber scombrus	5.4	2.5	9.5	9.6	204.3	91.0	17.0	152.5	137.5
	0.8-22	0.5-7.1	1.1-51	3.9-21	64-644	56-149	6.9-40	18-1217	14-1322
Paralichthys-Scophthalmus	7.0	3.9	3.6	3.8	15.3	14.3	4.7	22.4	15.7
	2-20	1.4-8.7	0.8-11	1.5-8.4	10-24	6.4-30	1.7-11	6.3-74	6.9-34
Hippogloissoides	4.5	0.9	1.8	1.7	0.9	0.4	0.4	0.05	1.2
platessoides	2.6-7.4	0.3-1.6	0.9-3	0.8-3.1	0.5-1.6	0.01-0.8	0-1	0-0.2	0.3-2.7
Pleuronectes ferrugineus	3.7	1.5	1.0	1.1	2.5	0.4	1.3	4.6	2.5
	1.5-7.6	0.7-2.7	0.2-2.4	0.4-2.1	1.1-4.8	0.01-0.9	0.3-2.9	1.9-10	0.8-5.5
Total	108.0	107.1	66.3	48.4	757.8	230.1	86.7	473.7	616.6
	62-188	59-194	21-202	33-71	271-2111	150-353	57-131	129-1727	125-3021

May (continued)									
EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0.3 0-0.9	0	0	0	0.06 0-0.2	0.1 0-0.3	0	0.9 0.02-2.4
Gadidae-*Glyptocephalus*	0.5 0.2-1	1.4 0.3-3.7	0.2 0-0.6	0	0.2 0-0.7	1.2 0-4.2	0.1 0-0.2	0.3 0-0.7	0.2 0-0.5
Enchelyopus-Urophycis-Peprilus	21 9-46	15.9 5.3-44	1.0 0.3-2.2	3.7 1.9-6.6	3.2 1.1-7.5	3.7 0-25	3.3 1.4-6.8	2.2 0.6-5.3	5.7 3.3-9.4
Enchelyopus cimbrius	10.7 6.7-17	18.9 9-38	3.1 0.7-8.8	1.8 0.9-3.1	5.9 1.8-16	9.9 3.7-24	2.7 1-6	3.5 0.9-9.6	3.6 1.9-6
Gadus morhua	0.5 0.1-1	0.9 0.3-1.9	0.6 0.1-1.5	0	0.4 0.1-1	0.8 0.2-1.8	0.1 0-0.4	0	0
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0.1 0-0.2	0	0
Prionotus spp.	0	0	0.05 0-0.2	0	0	0	0	0	0
Labridae-*Limanda*	20.9 7.3-57	36.7 6.6-187	16.9 3.8-66	110.0 12-928	10.0 2-40	25.0 2.4-197	24.2 4.9-107	19.5 5.8-61	51.1 8.6-281
Labridae	0.6 0-1.5	5.3 1.4-16	2.4 0.7-5.5	2.8 0.5-8.2	0.6 0-2.1	2.7 0.1-11	4.6 0.6-19	1.8 0.4-4.4	1.3 0-8.4
Scomber scombrus	50.4 8.7-271	75.0 12-451	22.5 5.8-80	1042.1 157-6890	67.4 16-269	73.2 6.5-733	201.4 23-1699	21.3 3.2-117	196.0 43-887
Paralichthys-Scophthalmus	6.7 2.8-15	10.3 5.8-18	12.0 4.8-28	34.2 7.6-143	2.6 0.8-6.1	16.2 2.7-79	11.4 3.1-36	8.8 3.8-19	23.3 13-42
Hippogloissoides platessoides	1.2 0.5-2.2	1.7 0.7-3.1	3.2 0.9-8.2	0.7 0-2.5	4.2 2-8	5.8 2.9-11	1.3 0.5-2.5	1.3 0.4-2.8	1.1 0.2-2.7
Limanda ferruginea	0.7 0.3-1.2	1.2 0.4-2.6	0.8 0.1-2	0.5 0-1.5	4.8 2.5-8.6	3.5 0.6-12	0.5 0.02-1.1	2.6 1.1-5	2.0 0.4-5.1
Total	278.6 99-784	298.5 91-969	131.1 63-272	1301.9 211-7999	139.4 44-441	240.2 43-1315	336.1 53-2119	91.3 28-289	579.6 174-1921

May (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0.3	0.03	0	0	0
			0-0.8	0-0.8			
Gadidae-*Glyptocephalus*	0.4	0.8	0.1	1.6	1.1	0.5	0.5
	0-1.3	0.1-2.2	0-0.3	0.2-4.5	0.3-2.5	0.1-0.9	0-1.6
Enchelyopus-Urophycis-	16.0	7.3	1.7	6.5	3.9	2.2	1.6
Peprilus	6.6-37	3.2-15	0-6.4	3..3-12.2	1-11	1-4.2	0.5-3.4
Enchelyopus cimbrius	3.0	0.6	5.3	0.2	3.3	1.4	2.5
	0.8-7.9	0-1.4	0.7-22	0-0.7	1.1-8.1	0.3-3.3	0.5-7.1
Gadus morhua	0.1	0.04	0.4	0.06	0.3	0.4	0.3
	0-0.4	0-0.1	0-1.2	0.0.2	0-1.3	0-1	0-0.9
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0.1	0.1	0.1	0
				0-0.4	0-0.4	0-0.4	
Prionotus spp.	0	0.1	0	0	0	0	0
		0-0.5					
Labridae-*Limanda*	31.8	80.7	44.4	29.6	7.2	27.9	24.8
	13-77	22-282	7.8-234	11-75	1.5-25	7.6-97	7.4-78.1
Labridae	0	0	0	0.06	0.7	2.2	0.2
				0-0.2	0-2.1	0.4-6.3	0-0.7
Scomber scombrus	34.9	197.6	141.3	371.2	60.1	15.6	6
	17-72	44-870	45-436	224-616	13-281	4.2-52	1.0-23.3
Paralichthys-Scophthalmus	8.0	22.4	30.0	19.8	5.6	15.1	4.9
	3-20	7.8-61	15-57	12-31	2.1-13	5.5-39	1.8-11.4
Hippogloissoides	1.9	3.4	2.4	1.3	5.9	5.9	0.9
platessoides	0.3-5.4	1.3-7.4	0.4-7.4	0.1-3.8	1.4-19	2.2-14	0-3.2
Limanda ferruginea	0.2	0	1.9	2.5	0.5	0	0
	0-0.7		0.3-5.3	0.6-6.4	0-1.6		
Total	116.0	712.6	394.1	514.4	129.4	141.9	56.9
	59-226	283-1790	138-1120	345-768	44-374	63-316	17.6-178.6

June									
EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	1.3	1.4	0.4	2.1	0.4	0.8	0.3	1.8	21.1
	0.7-2.1	0.3-3.4	0-0.9	0.2-7.3	0-1.3	0-2.4	0-0.9	0.2-5.9	16-28
Gadidae-*Glyptocephalus*	1.6	0.3	0.3	1.0	0.7	0.7	0.2	1.1	0.2
	0.8-2.8	0.04-0.7	0.1-0.7	0.1-2.8	0.2-1.3	0.1-1.4	0-0.7	0.4-2.2	0-0.6
Enchelyopus-Urophycis-	32.3	6.7	23.7	7.9	13.7	14.0	8.8	21.9	26.9
Peprilus	18-57	3.9-11	13-41	3.7-16	7.3-25	4-44	2.7-25	11-43	19-38
Enchelyopus cimbrius	11.8	6.7	7.0	1.5	5.5	22.7	16.0	28.3	26.7
	7.9-17	4.6-9.6	3-15	0.3-3.8	2.2-12	6.2-77	7.6-32	15-52	17-42
Gadus morhua	1.7	0.2	0.4	0.6	0.2	0.05	0.3	0.2	0
	0.9-2.8	0.01-0.4	0-1.0	0.2-1.3	0-0.4	0-0.2	0-1.1	0-0.5	
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	3.8	1.4	1.7	0.6	2.7	2.3	1.5	2.2	26.9
	1.9-7.1	0.7-2.3	0.6-3.3	0.1-1.4	1.3-4.8	0.6-5.9	0-5.9	1.1-3.9	20-35
Prionotus spp.	0.5	0.3	0.8	0.3	3.5	2.7	27.0	0.8	1.8
	0.2-1	0.04-0.7	0.2-1.6	0-0.8	1.5-7.2	1.6-4.3	6.4-105	0.1-0.3	0.6-3.9
Labridae-*Limanda*	892.7	1187.9	2641.3	482.3	376.6	900.3	2261.4	704.6	2941.8
	459-1734	745-1893	932-7480	168-1378	169-838	431-1879	746-6849	419-1184	1807-4789
Labridae	58.7	143.8	100.5	1.2	61.2	41.7	41.0	147.7	674.3
	33-105	115-180	50-201	0.2-2.7	30-123	17-98	11-145	114-192	461-986
Scomber scombrus	46.6	15.0	77.3	14.6	47.8	43.4	66.9	542.9	114.6
	25-86	3.2-60	35-169	5.2-38	18-126	8.5-207	27-164	155-1901	25-513
Paralichthys-Scophthalmus	30.7	30.8	29.2	6.4	27.5	22.8	36.0	37.1	114.6
	18-52	20-48	15-56	2.7-14	12-60	16-33	18-70	22-62	73-179
Hippogloissoides	1.2	0	0.5	0.06	0	0	0.5	0.07	0
platessoides	0.6-1.8		0.1-1.1	0-0.2			0-1.7	0-0.2	
Limanda ferruginea	1.6	0.7	0.8	0.6	0.7	0.3	2.4	1.4	2.5
	0.5-3.3	0-2.0	0.09-2	0-1.8	0-2.1	0-1.1	0.3-7.4	0.3-3.2	0.7-6.5
Total	1432.7	1565.7	4035.4	645.9	575.4	1555.9	2734.6	2659.4	4653.7
	813-2524	1040-2357	1930-8435	268-1553	264-1254	867-2792	1003-7453	1563-4524	2825-7665

June (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.5	0.7	0.3	1.5	2.8	0.7	3.2	20.3	7.3
	0.1-1.1	0-2.3	0-0.8	0.5-3.3	0.5-8.2	0-2.1	0.7-9.1	6.2-62	2.4-20
Gadidae-*Glyptocephalus*	0.7	0.1	0.1	0.4	0.3	0.2	0	0	0.5
	0.1-1.7	0-0.4	0-0.4	0.01-0.9	0-0.6	0-0.6			0-1.1
Enchelyopus-Urophycis-	9.8	3.6	2.5	7.9	3.4	7.1	4.1	7.7	13.6
Peprilus	3.5-25	1-9	0.7-6.3	3.1-18	1-8.8	1.8-23	1.1-11	2.4-21	7.9-23
Enchelyopus cimbrius	8.9	2.2	2.3	3.4	5.6	8.5	1.6	9.7	7.3
	3.1-23	0.04-9	0.6-6	1.1-8.4	2.3-12	2.3-27	0.3-4	4.9-18	3-16
Gadus morhua	0.5	0	0.2	0.2	1.0	0.02	0.8	0	0.08
	0.2-0.8		0-0.4	0-0.6	0.4-1.9	0-0.5	0.1-1.9		0-0.2
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	1.6	0.6	0.4	0.1	0	0.7	1.2	7.4	1.4
	0.1-5.2	0-1.7	0.1-0.9	0-0.3		0.1-1.6	0.3-2.7	2.7-18	0-4.6
Prionotus spp.	0.2	1.5	0.1	0	0	0.8	0.5	1.2	0.04
	0-0.5	0-5.3	0-0.3			0.2-1.8	0.1-1.1	0.3-2.6	0-0.1
Labridae-*Limanda*	794.6	448.6	453.8	596.5	218.9	1102.0	779.1	918.1	1292.0
	492-1283	362-556	261-829	191-1858	87-547	304-3987	330-1839	439-1919	564-2956
Labridae	14.3	54.5	32.6	39.6	6.7	77.4	112.9	186.5	4.8
	3.1-56	6.3-420	11-97	17-91	2.2-18	28-211	34-365	68-511	0.4-23
Scomber scombrus	83.3	44.2	58.8	19.4	107.6	24.6	18.4	14.3	11.0
	11-589	0.4-1466	12-282	3.7-88	38-304	2.2-205	3.1-91	1.8-83	3.7-30
Paralichthys-Scophthalmus	17.8	14.4	18.4	47.6	14.2	35.7	37.7	43.2	41.8
	6.7-45	3.2-55	10-33	34-67	6.1-31	20-64	16-87	20-92	24-71
Hippogloissoides	0.7	0	0	0.5	1.2	0.1	1.4	0.4	0.5
platessoides	0.1-1.8			0.02-1.3	0.4-2.6	0-0.4	0.1-4.1	0.1-0.8	0-1.4
Limanda ferruginea	0	0.3	0	0.6	0.4	0.4	0.5	0.4	0.3
		0-1.4		0.1-1.3	0.04-0.9	0-2.1	0-1.5	0-1.2	0-1
Total	1448.7	867.4	924.4	1622.5	638.2	2246.0	1548.4	2062.0	1585.0
	645-3250	367-2051	528-1618	886-2972	326-1250	787-6409	732-3275	1282-3317	716-3506

June (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	8.0	0.7	1.5	0.7	1.4	0.2	0.6
	1.7-29	0-1.7	0.1-4.7	0-2.2	0-5.3	0-0.6	0-1.9
Gadidae-*Glyptocephalus*	0	0	0.03	0.5	0.7	0.3	0.04
			0-0.1	0-1.4	0.2-1.3	0-1	0-0.1
Enchelyopus-Urophycis-	9.3	10.3	4.8	19.5	4.6	3.7	3.9
Peprilus	3.4-23	4.9-21	2.5-8.6	11-35	1.9-9.9	1.3-8.6	2.0-7.1
Enchelyopus cimbrius	2.4	2.3	2.2	0.5	0.8	2.8	2.1
	0.3-7.7	0.7-5.4	0.8-4.8	0-2	0.2-1.8	0.4-9.3	0.4-5.7
Gadus morhua	0	0	0.3	0	0.9	0	0.1
			0.04-0.7		0-0.2		0-0.2
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	1.4	10.7	0.1	0.7	0.8	0	0.3
	0.1-3.9	3.6-29	0-0.5	0.1-1.6	0-2.5		0-0.7
Prionotus spp.	1.5	1.9	0.5	0.6	0	0.2	0
	0.2-4.4	0.4-4.8	0-1.3	0.1-1.3		0-0.7	
Labridae-*Limanda*	491.2	438.9	808.6	390.0	376.0	730.4	157.8
	86-2782	182-1054	335-1952	178-854	143-985	338-1579	49-499
Labridae	32.1	0	50.1	5.2	6.2	4.8	1.5
	4.4-201		24-105	1.3-16	1.6-18	0.7-18	0-6.9
Scomber scombrus	1.9	13.0	21.3	9.1	50.7	5.9	16.2
	0.2-6.2	4.3-36	7.2-60	1.9-34	9-267	1-24	3-73.1
Paralichthys-Scophthalmus	22.3	39.3	51.3	15.4	28.0	26.7	8.6
	5.5-83	22-71	31-84	5.6-40	9.3-81	13-54	2.9-22.4
Hippogloissoides	0.07	0.02	1.2	0.2	0.1	0.2	0.04
platessoides	0-0.3	0-0.6	0.4-2.5	0-0.5	0-0.4	0-0.5	0-0.1
Limanda ferruginea	0.2	0	1.0	6.5	0	0	0
	0.7		0.1-2.8	1-27			
Total	616.2	649.6	1073.2	599.8	964.0	943.1	289.6
	106-3563	313-1346	487-2364	328-1095	485-1916	507-1755	117-717

July									
EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	2.0	0.7	0.6	0	0	0	0	1.5	0.08
	0.4-5.4	0.1-1.7	0.1-1.2					0.1-4.8	0-0.3
Gadidae-*Glyptocephalus*	0.2	0.5	0.8	0.4	0.03	0	0	0.2	0.2
	0-0.4	0.09-1.1	0.1-1.7	0.06-0.7	0-0.1			0-0.4	0-0.6
Enchelyopus-Urophycis-	36.7	6.4	73.7	5.0	11.9	10.3	2.4	11.2	8.6
Peprilus	16-83	2.3-16	29-188	3.2-7.5	8-16	6.5-16	1-5	5.2-23	4.2-17
Enchelyopus cimbrius	2.6	3.5	10.0	0.05	1.3	0.3	0.2	1.2	3.1
	1-5.5	1.4-7.4	3.9-24	0-0.2	0.7-2.1	0-0.9	0-0.5	0.6-2.2	1.0-7.3
Gadus morhua	0	0.2	0.3	0.3	0	0	0	0	0
		0-0.4	0-0.7	0-0.6					
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	31.1	1.6	54.2	0.5	5.8	3.7	1.3	2.1	15.5
	11-82	0.5-3.7	35-84	0.1-0.9	3.9-8.5	1.6-7.7	0.4-2.9	0.9-4.1	12-21
Prionotus spp.	4.4	0.2	12.6	0.06	3.6	3.1	3.6	0.6	1.9
	2.8-6.7	0-0.4	5-30	0-0.2	2.4-5.2	1.7-5.4	1.3-8.1	0.1-1.4	0.5-4.7
Labridae-*Limanda*	630.3	481.4	862.1	312.5	513.4	177.6	230.9	488.2	272.0
	141-2807	245-944	580-1280	204-477	196-1341	82-385	64-826	311-765	94-784
Labridae	57.8	21.5	84.9	4.3	23.1	19.1	3.1	69.4	39.1
	10-314	11-42	58-124	1.6-9.9	11-48	10-36	0.6-9.5	38-125	12-123
Scomber scombrus	8.5	0.2	4.0	0.3	0.06	0.6	0.06	5.6	2.0
	1.1-42	0-0.6	0.6-14	0.01-0.6	0-0.2	0.1-1.4	0-0.2	3.2-10	0.02-7.6
Paralichthys-	27.2	11.7	23.2	1.5	10.6	6.5	1.1	0	30.2
Scophthalmus	9.9-72	5.9-22	13-41	0.9-2.3	6.9-16	3.8-11	0.2-2.9		16-56
Hippogloissoides	0	0	0.04	0.05	0	0	0	0	0
platessoides			0-0.1	0-0.2					
Limanda ferruginea	0.4	0	0	0.1	0	0	0	0.1	0.3
	0-1.5			0-0.5				0-0.4	0-0.7
Total	986.1	576.5	1317.6	337.4	670.5	293.3	297.3	651.7	490.3
	238-4068	312-1065	932-1862	226-504	301-1491	165-520	104-843	425-1000	221-1086

July (continued)									
EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.1	0	0	1.3	0.06	0.04	0	0.9	1.0
	0-0.4			0.5-2.6	0-0.2	0-0.1		0-3.4	0.02-2.7
Gadidae-*Glyptocephalus*	0.3	0.08	0.07	0.05	0	0	0	0	0.2
	0.04-0.7	0-0.2	0-0.2	0-0.2					0-0.6
Enchelyopus-Urophycis-	19.8	3.0	12.3	5.3	0.9	5.6	4.5	5.7	10.2
Peprilus	11-35	1.8-4.7	6.2-24	1.8-13	0.1-2.3	1.9-14	1.9-9.2	1.6-16	4.9-21
Enchelyopus cimbrius	8.7	0.5	0	1.7	0.5	0.4	0.07	1.2	6.9
	2.8-24	0.02-1.1		0.6-3.3	0-1.4	0-1.3	0-0.2	0-3.7	2.7-16
Gadus morhua	0.04	0	0	0	0.2	0	0.03	0	0
	0-0.1				0-0.6		0-0.1		
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	8.7	0.5	0.06	0.9	0.04	1.1	1.0	4.3	10.9
	4.3-17	0.1-1.1	0-0.2	0.1-2.6	0-0.2	0.2-2.7	0-2.9	0.7-16	4.2-26
Prionotus spp.	0	0.4	0.4	0.4	0.7	2.2	0.2	0.7	0.4
		0.1-0.7	0-1	0.1-0.8	0.2-1.6	0.6-5.6	0-0.6	0-2.1	0-1.1
Labridae-*Limanda*	451.0	99.3	418.6	240.8	210.1	187.9	705.4	115.7	238.8
	279-728	45-218	52-3351	73-794	81-545	92-381	343-1450	38-351	61-930
Labridae	83.3	2.6	14.6	60.0	34.9	28.6	39.7	12.7	29.9
	48-144	1.2-4.9	1-119	25-144	10-118	11-74	23-70	3.8-38	4.2-182
Scomber scombrus	1.6	0.2	0.1	0.2	0.5	0.3	0	0	1.2
	0.4-3.8	0.03-0.4	0-0.4	0-0.5	0-1.3	0-1			0.3-2.7
Paralichthys-Scophthalmus	31.3	3.8	12.8	17.7	29.5	12.7	21.6	19.8	20.6
	24-41	1.3-8.7	6.5-24	8.8-35	17-51	7-22	11-41	8.6-44	8.2-49
Hippogloissoides platessoides	0	0	0	0.05	0.1	0	0	0	0.1
				0-0.2	0-0.4				0-0.4
Limanda ferruginea	0.2	0.2	0.3	0	0	0.04	0.1	1.7	0
	0-0.6	0-0.4	0-0.9			0-0.1	0-0.4	0-8.6	
Total	712.5	130.5	1242.0	388.6	431.8	361.3	841.2	213.7	427.8
	481-1055	69-246	384-4010	140-1074	211-884	213-612	434-1629	91-501	97-1869

July (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0.6 0-2.2	0.1 0-0.3	0.4 0-1.3	0	0.4 0-1.1	0	0.4 0-1.5
Gadidae-*Glyptocephalus*	0	0.1 0-0.3	0	0.03 0-0.1	0	0	0
Enchelyopus-Urophycis-Peprilus	18 9.9-32	9.4 3-26	4.7 2.5-8.5	6.4 3.1-12	1.3 0.4-2.8	1.0 0.2-2.6	1.2 0.3-2.7
Enchelyopus cimbrius	2.5 1-5.2	0.3 0-0.7	1.5 0.2-4.1	0.1 0-0.4	0.05 0-0.2	0	0
Gadus morhua	0	0	0.2 0-0.5	0	0	0.1 0-0.2	0
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	5.8 1.7-16	27.6 7.2-99	2.2 0.7-5	0.2 0-0.5	0	0.1 0-0.2	0.1 0-0.4
Prionotus spp.	1.2 0.4-2.6	4 1.7-8.2	1.2 0.4-2.4	0.2 0-0.5	0	0.4 0-1	0.3 0-0.8
Labridae-*Limanda*	368.9 153-889	0	380.5 166-872	40.1 9.3-162	95.0 32-281	283.0 71-1120	201.3 62-649
Labridae	36.6 14-95	150.6 26-841	17.9 8.3-37	0.7 0-2.5	0.5 0-1.8	2.9 0.5-9.4	0
Scomber scombrus	0.3 0-1	1.0 0.2-2.2	1.2 0.3-2.8	0.1 0-0.4	0.04 0-0.1	0	0
Paralichthys-Scophthalmus	42.9 21-85	0.3 0-1.3	49.4 32-77	5.2 2.2-11	3.0 1.2-6.3	9.2 3.1-25	5.1 1.3-15.1
Hippogloissoides platessoides	0.2 0-0.9	0	0.2 0-0.5	0	0	0	0
Limanda ferruginea	0	0	0.1 0-0.2	0.3 0-0.8	0	0	0
Total	547.3 256-1170		558.3 281-1107	95.6 36-249	106.4 37-306	298.7 74-1190	214.3 66-688

August

EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0.2 0-0.4	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0.03 0-0.1	0	0.04 0-0.1	0	0	0	0
Enchelyopus-Urophycis-	11.7	3.7	3.5	4.4	9.4	13.3	1.2	7.4	24.4
Peprilus	6.0-22	1.2-9	2.2-5.3	1.7-9.8	5.4-16	8.2-21	0.3-2.6	1.7-25	11-51
Enchelyopus cimbrius	1.3 0.6-2.4	1.9 0.8-3.5	0.7 0.3-1.3	0.2 0-0.5	3.3 1.8-5.5	1.0 0.2-2.4	0.2 0-0.5	2.9 1.2-5.9	1.4 0.5-2.9
Gadus morhua	0	0	0	0	0	0	0	0	0
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	4.9 2.3-10	4.4 1.6-9.9	3.9 2.1-6.9	8.2 3.2-19	12.1 8.8-17	5.2 3-9	2.0 1-3.4	5.1 1.9-12	11.5 6.1-21
Prionotus spp.	3.1 1.1-7.1	0.5 0.3-0.9	2.0 0.9-3.6	2.3 0.5-5.8	8.7 3.4-20	3.1 1.7-5.3	1.0 0.4-1.9	0.8 0.1-2	1.7 0.3-4.4
Labridae-*Limanda*	2.1 0.6-4.9	12.2 2.4-50	11.9 9-16	75.2 15-360	8.5 5.9-12	5.5 3-9	1.8 0.5-4.4	16.1 36-63	65.2 26-160
Labridae	2.5 1.2-4.8	3.0 0.8-7.9	3.1 1.5-5.9	4.0 1.1-11	7.1 4.1-12	3.9 1.9-7.4	0.9 0.1-2.2	3.2 1-8	14.7 6.7-31
Scomber scombrus	0	0	0	0	0	0.05 0-0.2	0	0.08 0-0.3	0.06 0-0.2
Paralichthys-	15.3	12.0	4.8	12.2	16.9	4.4	1.0	12.2	81.9
Scophthalmus	7.5-30	7.3-19	2.1-9.8	8.2-18	9.6-29	3.3-5.9	0.2-2.4	5.3-27	54-125
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0.1 0-0.2	0.02 0-0.08	0	0.2 0-1	0	0	0.1 0-0.6	0	0.1 0-0.4
Total	58.2 38-89	53.1 20-136	41.6 35-50	204.0 67-617	80.8 60-108	43.7 33-58	11.0 6.7-18	57.5 20-166	261.4 152-449

August (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.05	0	0.04	0.9	0	0.4	0	0	0.4
	0-0.2		0-0.1	0.2-2.2		0-1.4			0-1.2
Gadidae-*Glyptocephalus*	0.06	0.05	0	0	0	0	0	0	0
	0-0.2	0-0.2							
Enchelyopus-Urophycis-	0.6	5.6	18.5	0.9	1.4	1.3	8.5	1.2	6.1
Peprilus	0.2-1.3	1.4-17	7.2-45	0.1-2.1	0.3-3.7	0.2-3.8	3.2-21	0.3-2.8	2.4-14
Enchelyopus cimbrius	2.2	4.0	2.8	3.5	2.1	1.1	0.7	0.3	2.6
	1-4	0.7-14	0.5-8.5	2.1-5.6	0.7-4.8	0.2-2.8	0.01-2	0-0.6	0.8-6.1
Gadus morhua	0.2	0	0	0	0	0	0	0	0
	0-0.5								
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	2.9	4.2	8.7	2.0	2.5	3.6	13.0	0.9	7.7
	1.3-5.6	1-13	1.7-35	1.2-3.3	0.8-5.8	0.8-11	5.2-31	0.2-2.1	3.2-17
Prionotus spp.	0.6	1.3	1.0	0.4	0.4	1.7	0.5	0.2	0.4
	0.1-1.3	0.5-2.5	0.3-2.0	0-1	0.1-0.7	0.2-5	0-1.3	0-0.6	0-1
Labridae-*Limanda*	4.0	11.2	18.0	15.5	6.6	12.5	15.7	4.0	20.7
	1.1-11	5.3-23	4.3-67	5.3-42	2.6-15	3.8-37	6.1-39	1.1-11	7-58
Labridae	1.9	5.6	25.5	4.3	2.2	2.1	3.6	0.6	7.3
	0.7-3.8	2.2-13	8.3-75	1.9-8.7	0.6-5.4	0.2-6.9	1.1-9.3	0-1.5	2.6-18
Scomber scombrus	0	0	0.2	0	0	0	0.2	0	0.07
			0-0.4				0-0.7		0-0.3
Paralichthys-	18.3	0	15.9	17.7	18.0	8.0	31.5	6.2	38.0
Scophthalmus	13-25		7.9-31	9.2-34	6.6-47	4.3-14	17-59	1.8-17	24-60
Hippogloissoides	0	0	0.05	0	0	0	0.04	0	0
platessoides			0-0.2				0-0.2		
Limanda ferruginea	0.05	0.3	0.05	0.06	0	0	0	0	0.07
	0-0.2	0.1-0.7	0-0.2	0-0.2					0-0.2
Total	37.9	68.6	131.2	62.2	33.4	51.0	113.9	18.9	127.6
	26-55	28-165	48-355	36-107	11-100	23-111	69-188	9.4-37	74-221

August (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0.07	0	0	0	0.04	0	0.03
	0-0.3				0-0.1		0.09
Gadidae-*Glyptocephalus*	0	0	0	0.1	0	0	0
				0-0.3			
Enchelyopus-Urophycis-	5.6	1.6	2.8	1.8	1.66	0.9	1.5
Peprilus	1.9-14	0.3-4.2	1-6	0.7-3.4	0.2-4.9	0.2-2.3	0.7-2.9
Enchelyopus cimbrius	1.6	0	0.2	0	0.2	0	0
	0.5-3.4		0-0.4		0-0.8		
Gadus morhua	0	0	0	0	0	0	0
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	8.4	5.4	1.7	0.5	0.2	0.1	0.9
	3.4-19	1.7-14	0.01-6	0.1-1.2	0-0.6	0-0.3	0.2-2
Prionotus spp.	1.0	1.5	0.4	0.3	0.05	0.1	0
	0.2-2.3	0.6-2.9	0.02-0.8	0-0.9	0-0.2	0-0.2	
Labridae-*Limanda*	7.1	0	8.5	1.7	14.9	12.0	24.8
	1.9-22		2.8-23	0.4-4.2	5.6-37	3-42	8.6-68.8
Labridae	2.5	4.3	0.3	0.4	0	0.1	0.1
	0.7-5.9	1.2-12	0-1.1	0-1.8		0-0.4	0-0.3
Scomber scombrus	0	0	0	0.05	0.08	0	0
				0-0.2	0-0.3		
Paralichthys-	36.9	18.7	13.9	2.4	9.1	12.2	12.8
Scophthalmus	19-72	6.8-49	6.1-31	0.5-6.8	4.9-16	5.3-27	5.5-28.4
Hippogloissoides	0	0	0.04	0	0.05		0
platessoides			0-0.1		0-0.2	0	
Limanda ferruginea	0.09	0	0.2	0	0		0
	0-0.2		0-0.9			0	
Total	92.5		38.0	14.0	30.6	27.6	47.4
	44-191		16-91	6.3-30	14-64	9.8-75	19-114

September									
EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	39.1	0	0	0	1.7	0.05	0	0.4
		2.8-429				0-7.6	0-0.2		0-1.1
Gadidae-*Glyptocephalus*	0.04	0.04	0.06	0	0	0	0	0	0
	0-0.1	0-0.1	0-0.2						
Enchelyopus-Urophycis-	0.3	8.9	6.3	5.9	1.5	1.2	1.4	2.1	0.4
Peprilus	0.1-0.7	2.9-24	1.5-21	1.4-19	0.7-2.6	0.5-2.3	0.6-2.5	0.6-4.9	0.1-0.7
Enchelyopus cimbrius	0.04	1.6	3.4	4.2	2.4	1.9	1.4	1.4	2.3
	0-0.1	0.4-3.8	0.9-9.4	0.8-14	0.6-6.2	1-31	0.5-2.8	0.5-2.8	1.5-3.3
Gadus morhua	0	0	0	0	0	0	0	0	0
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0.7	5.8	3.9	11.5	5.8	3.5	1.5	0.9	1.0
	0.4-1.2	2.5-12	1.5-8.4	3.8-31	3-11	1.8-6.5	0.8-2.6	0.2-2.1	0.3-2.2
Prionotus spp.	0	1.5	0.2	2.1	0.4	0	0	0.3	0
		0.6-2.8	0-0.5	0.4-5.6	0.1-0.7			0-0.8	
Labridae-*Limanda*	0	1.8	0.8	1.04	0.4	0.09	1.0	1.4	0.5
		0.04-6.5	0-2.2	0.3-2.3	0-1	0-0.3	0.3-2	0.2-3.5	0.1-1
Labridae	0.04	0.8	0.3	0.6	0.1	0.04	0.4	0.5	0.4
	0-0.2	0.1-2	0-0.7	0.1-1.3	0-0.4	0-0.1	0.1-0.7	0.02-1.1	0-1
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-	4.6	80.4	16.1	27.5	4.4	0.9	12.3	11.1	41.0
Scophthalmus	2.9-7.1	57-112	9-28	19-39	2.4-7.7	0.4-1.6	7.6-20	3.1-35	22-74
Hippogloissoides	0	0	0	0	0	0	0	0	0
platessoides									
Limanda ferruginea	0	0	0	0	0	0	0.2	0	0
							0-0.4		
Total	7.3	469.2	40.7	85.8	17.2	20.3	21.2	19.4	47.3
	4.5-12	199-1107	20-82	56-132	10-29	10-41	14-32	6.8-52	27-84

September (continued)									
EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	1.5	0.3	0	95.4	0.3	0.5	0.2	1.4	0.5
	0-5.7	0-1.4		17-513	0-0.8	0-1.8	0-0.5	0.03-4.8	0-1.5
Gadidae-*Glyptocephalus*	0	0	0	0.05	0	0.08	0	0	0
				0-0.2		0-0.3			
Enchelyopus-Urophycis-	0.2	1.9	0.4	6.5	0	2.5	0.7	1.7	2.6
Peprilus	0-0.6	0.6-4.3	0.02-0.9	1.5-21		0.8-6.1	0-2	0.4-4.2	1.1-5.2
Enchelyopus cimbrius	0.4	1.4	1.7	3.1	1.1	0.9	0.3	0.9	1.7
	0-1.1	0.3-3.4	0.9-2.7	1.1-7	0-3.7	0.3-1.8	0-0.7	0.1-2.3	0.8-3.2
Gadus morhua	0	0	0	0.03	0	0	0	0	0
				0-0.9					
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0.4	0.7	1.9	4.1	0.3	0.8	0.9	1.1	2.0
	0-1	0.1-1.9	0.9-3.4	1.2-11	0-0.8	0.04-2	0.2-2	0.1-2.9	0.5-5
Prionotus spp.	0	0.05	0.1	1.2	0	0	0	0.3	0
		0-0.2	0-0.3	0.2-3.2				0-1.2	
Labridae-*Limanda*	0.05	0.2	1.0	3.1	0.4	0.2	0.5	1.5	0.6
	0-0.2	0-0.5	0.3-2	0.9-7.9	0-1.4	0-0.6	0.02-1.2	0.3-3.7	0-1.9
Labridae	0	0.09	0.3	2.0	0.09	0.5	0.3	1.2	0.3
		0-0.2	0-0.6	0.4-5.4	0-0.3	0-2.3	0-0.9	0.2-2.9	0-0.8
Scomber scombrus	0.1	0	0	0.04	0	0	0	0	0
	0-0.4			0-0.1					
Paralichthys-	3.1	5.0	13.3	19.9	7.6	6.4	2.6	21.3	16.7
Scophthalmus	1.2-6.7	2.2-10	7.7-22	6.5-57	3.2-17	3.1-13	0.4-8	11-40	7.2-37
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0	0.3	0
								0-0.8	
Total	7.7	10.2	23.6	201.8	10.9	17.5	5.4	41.6	26.6
	2.6-20	3.9-25	16-34	41-978	4.3-26	8.5-35	1.4-16	23-76	11-63

September (continued)							
EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0.6	0.04	0.2	0.2	0.05	0	0.5
	0.03-1.5	0-0.2	0-0.7	0-0.6	0-0.2		0-1.7
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0.1
							0-0.4
Enchelyopus-Urophycis-	1.25	0.1	0.4	1.2	1.2	1.0	4.8
Peprilus	0.1-3.8	0-0.3	0-1.3	0.2-3	0.3-2.6	0.1-2.5	1.3-13.2
Enchelyopus cimbrius	0.5	0.04	0	0.05	0.6	0	0.2
	0-1.6	0-0.2		0-0.2	0.2-1.3		0-0.5
Gadus morhua	0	0	0	0	0	0	0
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0.9	0.7	0.1	0.3	0.4	0	0.5
	0.1-2.4	0.1-1.5	0-0.2	0-0.8	0-1.2		0-1.9
Prionotus spp.	0.3	0	0	0	0	0	0.07
	0-0.8						0-0.2
Labridae-*Limanda*	0	0	0.5	0.2	2.2	2.3	2.3
			0-1.2	0-0.4	0.9-4.5	0.4-6.7	0.6-5.7
Labridae	0	0.05	0.04	0	0.05	0	0.2
		0-0.2	0-0.2		0-0.2		0-0.60
Scomber scombrus	0	0	0.2	0	0	0.1	0
			0-0.6			0-0.5	
Paralichthys-	7.9	3.1	42.7	0.8	12	19.5	24.5
Scophthalmus	5.3-11	1.2-6.5	25-72	0.1-1.7	4.8-28	8.7-42	7.6-74.7
Hippogloissoides platessoides	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0
Total	14.9		46.5	3.9	17.8	27.9	38.4
	8.4-26		29-75	1.7-7.9	6.7-45	13-57	12-114

October									
EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0.2 0-0.5	0	0	34.5 5-202	0.2 0-0.8	0	0	0
Gadidae-*Glyptocephalus*	0.1 0-0.6	0.08 0-0.3	0	1.5 0.3-3.8	0.7 0-2.2	0	0	0	0.3 0-0.9
Enchelyopus-Urophycis-Peprilus	1.5 0.1-4.6	0.2 0-0.5	0.7 0.2-1.5	0.2 0-0.7	2.9 0-18	0.08 0-0.3	0.2 0-0.4	0.1 0-0.4	0.2 0-0.9
Enchelyopus cimbrius	0.9 0-3.3	0.2 0-0.8	1.0 0.3-2	0.4 0-1.1	6.8 2.9-15	0.1 0-0.6	1.3 0.2-3.7	1.9 0-8.6	1.1 0-3.6
Gadus morhua	0	0	0	0.1 0-0.4	0	0	0	0	0.09 0-0.4
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0.4 0-1.4	0	0.5 0-1.5	0.1 0-0.4	0.5 0-2.4	0.09 0-0.4	0	0.1 0-0.4	0.1 0-0.5
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0.2 0-0.5	0	0	0	0	0	0	0.1 0-0.4	0
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	1.7 0-7.7	1.0 0-2.9	3.1 0.4-12	0.6 0-1.8	0.5 0-1.9	0	0.2 0-0.4	0.3 0-0.9	0.5 0.1-1.2
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0.09 0-0.4	0	0	0	0	0	0
Total	4.1 0.3-19	1.7 0.4-4.3	6.3 2-17	4.4 2.6-7.1	52.0 11-232	0.5 0-1.5	2.2 0.8-4.8	2.4 0-13	2.7 1-6

October (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.9	0	0	0	0.7	0.5	0	1.2	1.0
	0-3.2				0-2.9	0-1.7		0-4.3	0-4.8
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0	0	0
Enchelyopus-Urophycis-	0	0.1	0	2.7	0	0	0.08	1.2	1.5
Peprilus		0-0.4		0-17			0-0.3	0-5.2	0.03-4.8
Enchelyopus cimbrius	0.2	0.8	0.3	1.7	0	0.1	0	0.2	0.2
	0-0.7	0.3-1.6	0-1.2	0-9.8		0-0.4		0-0.7	0-0.7
Gadus morhua	0	0	0	0	0	0	0	0	0
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0.2	0.1	0	0	0	0.1
				0-0.7	0-0.4				0-0.5
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Limanda*	0.2	0	0.1	0.4	0	0	0	0.2	0.5
	0-0.7		0-0.5	0-1				0-0.8	0-1.6
Labridae	0	0	0.1	0	0	0	0	0	0
			0-0.5						
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-	0.1	0.2	0.1	0.9	0.2	0.9	0	2.7	0.4
Scophthalmus	0-0.5	0-0.6	0-0.5	0-3.2	0-0.6	0-2.7		0-15	0-1.2
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0	0	0
Total	1.8	1.4	1.0	5.4	3.3	1.3	0.1	5.5	3.3
	0.5-4.1	0.8-2	0-4.1	0.01-40	1.2-7.7	0-4.5	0-0.5	0.6-25	0.1-16

October (continued)							
EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0.5 0-2.9	0.4 0-1.3	0.5 0-3.5	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0.5 0-2	0.2 0-0.6	0.2 0-0.7	0.5 0-1.5	0.3 0-0.9	0.2 0-0.4
Enchelyopus cimbrius	0	0	0	0.2 0-0.6	0.2 0-0.8	0	0
Gadus morhua	0	0	0	0	0	0	0
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0.1 0-0.3	0	0.1 0-0.4	0.06 0-0.2	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Limanda*	0	0	0.2 0-0.7	0	0.4 0-1.1	0.1 0-0.4	0
Labridae	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0.5 0-2	1.1 0-6.7	1.3 0-7.9	0.1 0-0.4	2.05 0-9.1	1.2 0-5	0.05 0-0.2
Hippogloissoides platessoides	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0
Total	0.9 0-3.2		3.0 0.1-13	1.4 0-5.5	3.2 0.2-14	1.9 0-9.9	0.3 0-0.7

November

EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	6.0 1.8-20	0	0	0	0	0.2 0-0.6	0.7 0.04-1.8	0	2.0 1.4-2.7
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0.9 0-0.4	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0.2 0-0.6	0	0
Gadus morhua	1.2 0.5-2.9	0.3 0-1.5	2.6 1.4-4.4	2.1 0.2-6.8	3.3 1.5-6.5	0.5 0-1.5	0.2 0-0.7	0	0.4 0-1.1
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Pleuronectes*	0	0	0	0	0	0	0	0	0.1 0-0.4
Labridae	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0	0	0
Total	7.3 2.8-19	0.3 0-1.5	2.6 1.4-4.4	2.1 0.2-6.8	4.5 2.1-8.6	0.6 0-2	1.3 0.3-3.1	0	2.4 1.3-4.1

November (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.8	0	0	0	0	0	0	0	0.07
	0-2.6								0-0.2
Gadidae-*Glyptocephalus*	0.2	0	0	0	0	0	0	0.1	0.2
	0-0.9							0-0.4	0-0.6
Enchelyopus-Urophycis-	0	0.1	0	0	0	0	0	0	0
Peprilus		0-0.4							
Enchelyopus cimbrius	0	0.2	0	0	0.08	0	0	0	0
		0-0.7			0-0.3				
Gadus morhua	0	0.1	0.1	0.1	0.6	0.2	1.6	0.6	0.2
		0-0.4	0-0.5	0-0.4	0-1.9	0-0.9	0-7	0-2.7	0-0.5
Pollachius virens	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Pleuronectes*	0	0	0.2	0.1	0.2	0	0.1	0.1	0.1
			0-1	0-0.6	0-0.7		0-0.5	0-0.4	0-0.4
Labridae	0	0	0	0	0	0	0.1	0	0.07
							0-0.4		0-0.2
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-	0	0	0	0	0.08	0	0.3	0	0
Scophthalmus					0-0.3		0-1.1		
Hippogloissoides	0	0	0	0	0	0	0	0	0
platessoides									
Limanda ferruginea	0	0	0.4	0	0	0	0	0	0
			0-1.5						
Total	1.1	0.3	0.6	0.2	1.3	0.2	1.9	0.9	0.6
	0.1-3.1	0-1.3	0-2.6	0-0.8	0.4-2.7	0-0.9	0-8.6	0-3.4	0.1-1.5

November (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0.1 0-0.4	0	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0
Gadus morhua	0.2 0-0.5	0.4 0-1.3	0.2 0-0.6	1.1 0-3.7	2.8 0.7-7.8	0.3 0-0.9	0.1 0-0.5
Pollachius virens	0	0	0	0.2 0-0.9	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Pleuronectes*	0.1 0-0.5	0	0	0.08 0-0.3	0.2 0-0.8	0	0
Labridae	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0
Total	0.3 0-0.9	0.4 0-1.3	0.4 0.03-0.9	1.2 0-4.5	3.0 0.7-8.5	0.3 0-0.9	0.1 0-0.5

December									
EGGS	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Gadus morhua	2.4 1.7-3.1	1.1 0.3-2.4	1.3 0.1-3.9	0.7 0.1-1.9	1.2 0.6-2.2	1.2 0.3-2.7	2.5 0-14	0.1 0-0.4	1.1 0-3.8
Pollachius virens	0	0	0	-	-	-	0.3 0-0.8	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Pleuronectes*	0	0	0	0	0	0	0	0	0
Labridae	0	0.05 0-0.2	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0	0	0
Total	2.4 1.7-3.2	1.2 0.4-2.5	1.7 0.5-3.9	0.7 0.1-1.9	1.2 0.6-2.2	1.4 0.3-3.6	2.7 0-16	0.2 0-0.7	1.1 0-3.8

December (continued)

EGGS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0	0	0	0	0.07 0-0.2	0	0.4 0-1.2
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Gadus morhua	0	0.4 0-1.2	0.8 0-3	0.1 0-0.4	0.2 0-0.6	0.08 0-0.3	0.2 0-0.8	0	0.2 0-0.6
Pollachius virens	0	0	0.1 0-0.6	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0	0	0
Labridae-*Pleuronectes*	0	0	0	0	0	0	0	0.1 0-0.4	0
Labridae	0	0	0	0	0.1 0-0.5	0	0	0	0.6 0-2.3
Scomber scombrus	0	0	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0	0	0	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0.08 0-0.3	0	0	0
Total	0.08 0-0.3	0.4 0-1.2	1.1 0-3.6	0.1 0-0.4	0.5 0.1-1	0.2 0-0.7	0.3 0-0.9	0.1 0-0.4	1.3 0.2-3.5

December (continued)

EGGS	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Gadidae-*Glyptocephalus*	0	0	0.3 0-1.7	0.1 0-0.4	0	0	0
Enchelyopus-Urophycis-Peprilus	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0
Gadus morhua	1.1 0-4	1.8 0-22	1.8 0-9.3	1.6 0.1-4.9	0.8 0-2.3	0.2 0-0.4	0.2 0-0.6
Pollachius virens	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
Prionotus spp.	0	0	0	0	0	0	0
Labridae-*Pleuronectes*	0	0	0	0	0	0	0
Labridae	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Paralichthys-Scophthalmus	0	0	0	0	0	0	0
Hippogloissoides platessoides	0	0	0.08 0-0.3	0	0	0	0
Limanda ferruginea	0	0	0	0	0	0	0
Total	1.1 0-4	1.8 0-22	2.8 0.1-12	1.6 0.1-5.1	0.8 0-2.3	0.2 0-0.4	0.2 0-0.6

January

LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0.1 0-0.4	0.08 0-0.3	0.9 0.1-2.1	0	0	0.08 0-0.3	0.7 0-2.1	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0	0.08 0-0.3	0	0	0.1 0-0.4	0	0.09 0-0.4	0.09 0-0.4	0
M. octodecemspinosus	0	0.2 0-0.5	2.3 0.3-7.5	0.2 0-0.6	1.2 0.5-2.3	0.4 0-1.4	0.1 0-0.6	0.2 0-0.6	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0.1 0-0.4	0	0.05 0-0.2	0	0.09 0-0.3	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0.05 0-0.2	0.08 0-0.3	1.9 0.5-4.3	0.2 0-0.8	0.2 0-0.4	0.8 0-2.6	0.4 0.02-1	0.4 0-1.1	0.1 0-0.4
Ammodytes sp.	1.0 0-3.6	0.5 0-1.3	0.7 0.2-1.4	0	13.4 1.9-70	0.9 0-2.9	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	1.1 0-4.1	1.0 0.3-2.1	7.5 4.2-13	0.6 0-1.9	15.5 2.6-75	2.3 0.1-9.4	1.3 0.1-4	0.8 0.1-2	0.2 0-0.7

January (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0.2 0-0.6	0.5 0-1.3	0.1 0-0.4	0.3 0-0.8	0	0.09 0-0.4	0.4 0-1.1	0.07 0-0.3	0.2 0-0.9
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0	0	0	0.2 0-0.7	0	0	0	0.4 0-1.3	0.2 0-0.7
M. octodecemspinosus	0	0.2 0-0.6	0.1 0-0.4	0.1 0-0.4	0	0	0	0.9 0.1-2.3	0
M. scorpius	0	0.2 0-0.6	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0.2 0-0.8	0	0	0	0	0
L. coheni	0	0	0.1 0-0.5	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0.1 0-0.6	1.6 0.3-4.4	0.1 0-0.4	0.5 0-2.2	0.2 0-0.7	1.6 0.1-5.2	0.07 0-0.3	1.0 0.1-2.6	0.5 0-1.7
Ammodytes sp.	0.09 0-0.3	0.07 0-0.3	0	3.3 0.5-12	1.9 0.5-4.7	1.3 0-4.2	2.5 0-40	1.2 0.1-3.4	0.1 0-0.5
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	0.6 0.2-1.1	2.8 0.9-6.4	0.5 0-1.3	4.2 0.5-17	2.2 0.7-5.2	3.8 1.3-9.2	3.0 0-44	3.4 0.7-10	1.3 0.3-2.9

January (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Clupea harengus	0.5	0.1	0.2	0.5	0.1	0.3	0.1
	0-1.4	0-0.4	0-0.7	0-1.5	0-0.5	0-1.3	0-0.4
Enchelyopus cimbrius	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
M. aenaeus	0	0	0	0.3	0.1	0	0.1
				0-0.7	0-0.4		0-0.4
M. octodecemspinosus	2.8	1.4	0	0.5	0	0	0
	0.5-8.6	0.4-3.2		0.2-0.8			
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0
L. coheni	0.2	0	0	0	0	0	0
	0-0.9						
Tautoga onitis	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0.08	0	0	0
				0-0.3			
Pholis gunnellus	4.9	2.7	1.7	34	0.2	0.08	0.5
	1-17	0-13	0.2-5.3	13-86	0-0.8	0-0.3	0-1.5
Ammodytes sp.	0.8	0	0.8	1.0	0	0.7	0.3
	0-2.6		0-2.6	0-5.5		0-2.1	0-1.6
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0
Total	11.0	4.8	3.7	38.2	1.4	1.4	1.2
	4.5-26	1-16	1.4-8.4	15-96	0.4-3	0.1-4.3	0-3.9

February									
LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0	0	0.2 0-0.8	0.08 0-0.3	0.4 0.1-0.7	0.4 0-1.1	0.1 0-0.5	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0.1 0-0.4	0.08 0-0.3	1.4 0.4-3.2	0.4 0.1-0.9	3.7 0.7-12	0.6 0-2	8.4 6.5-11	3.2 0-18	0.3 0-0.9
M. octodecemspinosus	1.0 0-3.6	0	0.2 0-0.6	0.5 0.2-0.8	0.7 0.1-1.7	0.4 0-1.1	0.2 0-0.7	0.4 0-1.2	0
M. scorpius	0	0	0	0	2.5 0.3-8.6	0	2.3 0.3-7.5	12.7 1.3-82	1.1 0.04-3.4
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0.3 0-0.8	0	0.4 0.1-0.9	0	0	0.1 0-0.4	1.0 0.2-2.4
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0.06 0-0.2	0	0	0	0	0	0	0	0
Pholis gunnellus	1.3 0-4.8	0.4 0-1.3	3.1 0.9-7.8	6.7 2.9-14	10.6 2-44	4.7 2.3-8.7	4.6 3.7-5.7	4.0 0.3-19	8.4 3.2-20
Ammodytes sp.	8.9 4.4-17	1.4 0-6.1	0.3 0-1	0.6 0.2-1.2	9.7 1.5-45	0.08 0-0.3	0	0.4 0-1	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	11.6 4.5-28	2.1 0.2-7.2	6.3 3.1-12	8.9 4.1-18	21.6 3-126	7.6 4.9-12	18.3 17-20	19.4 2.3-124	10.9 4.4-25

February (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0	0.1 0-0.4	0.4 0-1.6	0.7 0-3.3	0.2 0-0.5	0	0.09 0-0.4	0.4 0-1.8	0
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0.1 0-0.5	8.6 6-12	0.1 0-0.4	2.2 0-11	0.6 0-1.8	4.4 0.9-15	0.3 0-1.4	7.4 0.2-60	7.5 0-81
M. octodecemspinosus	0	0.2 0-0.6	0.1 0-0.4	0.2 0-0.8	0.6 0-1.6	0.09 0-0.4	0.3 0-0.7	0.7 0-2.5	0.3 0-1.2
M. scorpius	0	12.2 2.8-46	1.9 0.4-5.1	0.9 0-3.1	0.3 0-0.8	1.8 0.2-6	2.5 0-15	8.5 2.6-24	0.5 0-1.7
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0.07 0-0.3	0.1 0-0.4	0	0.1 0-0.3	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	1.1 0-4.2	45.7 38-55	1.8 0.5-4.4	2.0 0-7.9	1.5 0.01-5.3	6.4 0.9-28	3.7 0.5-13	4.8 0-36	6.8 0.8-33
Ammodytes sp.	0.5 0-2.4	0.6 0.2-1.2	4.5 0-30	5.9 0.2-39	18.9 12-29	29.6 5.9-134	2.7 0.1-12	7.1 0.6-41	0.8 0-3
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	1.5 0-6.7	74.5 54-103	11.1 2.5-41	8.5 0.3-69	22.9 13-40	48.3 13-178	9.5 1.4-46	550.4 42-61	24.4 4.6-113

February (continued)							
LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Clupea harengus	0.2 0-0.6	0	0.2 0-1	2.9 1-6.5	0.05 0-0.2	0	0
Enchelyopus cimbrius	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
M. aenaeus	1.2 0.1-3.1	3.2 0.1-16	3.3 0.4-12	16.8 5-52	0.5 0-1.6	0	1.9 0-9.8
M. octodecemspinosus	0.2 0-0.6	3.2 0-20	1.3 0-5.8	8.9 1.7-36	0.6 0-1.9	0	0.1 0-0.2
M. scorpius	0.7 0-2	2.2 0.1-8.7	0.8 0-2.9	1.2 0.2-3.1	0.3 0-1.1	0	0.3 0-1.5
L. atlanticus	0	0	0	0	0	0	0.1 0-0.4
L. coheni	0.1 0-0.4	0	0.1 0-0.5	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0
Pholis gunnellus	1.5 0-5.7	15.2 3.6-57	19.4 4.5-75	59.1 29-118	2.5 0.3-8.7	0.3 0-1.1	2.9 0.2-11.1
Ammodytes sp.	0.9 0.1-2.2	11.8 0.5-111	5.0 0.8-19	43.7 16-115	1.0 0.1-2.7	0.4 0-1	2.6 0.6-7.0
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0
Total	4.2 0.6-15	41.9 7.6-213	40.0 15-107	179.7 98-326	4.1 0.5-17	1.0 0.3-2.1	7.8 1.2-34

March

LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	1.7	0.2	2.6	0.3	0.8	0.1	0	0.5	0.2
	0.7-3.3	0-0.6	0.9-5.8	0.01-0.7	0.3-1.7	0-0.3		0-1.5	0.03-0.4
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	18.9	17.1	4.6	8.4	14.2	34.0	2.7	59.8	18.6
	8.6-40	7.6-37	2.1-9	3.3-19	6.7-29	18-64	1.1-55	32-11	7.7-43
M. octodecemspinosus	1.2	0.5	0.06	0	0.5	0.8	0.1	0.2	1.0
	0.5-2.4	0-1.7	0-0.2		0.2-1	0.4-1.3	0-0.4	0-0.5	0.3-1.9
M. scorpius	0.1	0.8	0	2.0	1.0	3.5	0.1	7.1	6.5
	0-0.3	0.1-1.9		0.4-5.6	0.3-1.9	2-6	0-0.4	3.5-14	1.9-18
L. atlanticus	0.03	0	0.6	0	0.04	0.2	0	0.08	0.04
	0-0.1		0-1.8		0-0.2	0-0.6		0-0.2	0-0.1
L. coheni	0.4	0.08	0.3	0.03	0.4	0.3	0.06	0.3	0.4
	0.1-0.7	0-0.3	0-0.7	0-0.1	0.1-0.8	0.03-0.6	0-0.2	0.04-0.7	0.04-0.9
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0.04	0	0	0.03	0	0.2	0	0	0
	0-0.1			0-0.9		0-0.5			
Pholis gunnellus	10.4	14.8	3.7	16.3	24.5	30.3	2.4	57.6	32.3
	3.5-28	7.6-28	1.4-8.4	4.5-53	8.3-69	14-66	0.9-52	25-129	12-83
Ammodytes sp.	30.0	59.0	3.3	0.7	4.1	5.1	0.06	1.3	3.0
	20-45	12-283	0.9-8.8	0.3-1.3	1.1-11	2.3-10	0-0.2	0.4-2.8	1.7-4.8
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0.5	1.0	0.6	0.1	0.2	0.7	0	0	0
	0.1-1.1	0-3.6	0-1.7	0-0.3	0-0.5	0.1-1.7			
Total	84.8	124.9	14.6	30.2	55.7	86.7	6.4	137.6	70.6
	58-125	48-322	5.6-36	9.8-89	26-118	47-159	3.3-12	71-266	29-168

March (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0	0.5 0.1-1.1	1.1 0.3-2.4	0.5 0.1-1	1.5 0.7-2.9	1.0 0.1-2.6	0.4 0.1-0.9	0.7 0-3.2	0.8 0.2-1.8
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	1.6 0.1-5.4	33.8 23-49	3.3 1.1-7.6	7.2 1.9-22	5.5 1.2-18	13.6 8.5-21	13.9 5-36	38.5 7.9-175	17.2 8.3-35
M. octodecemspinosus	0	0	0.7 0.1-1.5	0.2 0-0.4	1.2 0.1-3.1	0.1 0-0.5	0.3 0-0.9	0.6 0-2.3	0.08 0-0.2
M. scorpius	6.9 1.6-23	1.3 0.7-2.2	4.1 1.2-11	2.5 0.7-6.2	2.5 1.1-4.9	5.4 2.1-12	6.2 1.7-18	0.8 0-2.5	0.9 0.3-1.8
L. atlanticus	0	0.05 0-0.2	0	0	0.05 0-0.2	0	0	0	0.2 0-0.5
L. coheni	0.1 0-0.4	0.09 0-0.2	0	0.5 0-1.2	0.06 0-0.2	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0.05 0-0.2	0	0	0	0	0	0	0
Pholis gunnellus	2.8 0.7-7.5	14.3 8-26	5.9 1.6-17	2.0 0.4-5.3	71.1 40-126	8.2 2.6-23	16.1 6-41	51.5 11-228	6.7 3-14
Ammodytes sp.	0.8 0-2.8	3.4 1.6-6.3	21.4 8.3-53	4.7 1.4-12	61.3 17-217	26.2 11-63	45.0 16-126	42.6 12-151	8.5 3.5-19
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0.05 0-0.2	0	0	0	0	0	0.5 0-2.2	0.3 0-0.7
Total	14.9 6.9-31	59.3 48-84	52.7 25-110	16.6 5.4-47	188.9 82-432	74.0 42-131	108.7 47-249	147 30-695	38.9 19-78

March (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Clupea harengus	1.3	1.1	0.3	1.1	0.2	0.4	1.1
	0.5-2.5	0.2-2.7	0.04-0.6	0.2-2.7	0-0.5	0-0.9	0.02-3.3
Enchelyopus cimbrius	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0
M. aenaeus	32.3	10.8	16.1	55.8	17.2	9.8	9.8
	15-67	3.1-33	5-48	30-104	6.3-45	3.7-24	3.5-25
M. octodecemspinosus	0.8	0.8	0.2	2.3	1.6	0.3	0
	0-2.4	0.1-2.1	0-0.6	0.2-8.3	0.4-4.1	0-0.9	
M. scorpius	3.1	2.5	1.8	0.9	2.5	0.6	0.7
	0.2-13	0.8-5.8	0.5-4.3	0-2.6	0.9-5.5	0.1-1.4	0.3-1.3
L. atlanticus	0.3	0.1	0.1	0.7	0	0	0.2
	0-0.9	0-0.3	0-0.3	0-2.1			0-0.6
L. coheni	0.5	0.04	0	0.07	0.08	0	0
	0-1.1	0-0.2		0-0.2	0-0.3		
Tautoga onitis	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0
Pholis gunnellus	9.9	24.1	14.3	9.4	7.6	6.1	6.4
	3.3-27	7.1-77	5.1-37	2.9-27	1.9-25	2.3-14	2.8-13.5
Ammodytes sp.	18.9	24.7	2.4	55.9	7.9	9.8	36.4
	5.6-59	8-72	0.6-6.2	19-163	3.4-17	3.5-25	8.4-148
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0.3	0	0	0
				0-1.2			
Total	94.6	113.4	36.0	161.6	49.7	38.2	67.8
	38-234	49-257	11-110	73-355	19-131	17-84	19-237

April

LARVAE	1981	1982	1983	1984	1985	1986	1987[1]	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0		0	0
Clupea harengus	0	0.8 0.4-1.4	1.1 0.2-2.4	0	0.1 0-0.3	0.3 0-0.7		0.7 0.1-1.6	0.2 0-0.6
Enchelyopus cimbrius	0	0	0.04 0-0.1	0	0	0		0.06 0-0.2	0
Urophycis spp.	0	0	0	0	0	0		0	0
M. aenaeus	10.0 4.3-22	47.8 21-108	4.7 2.1-9.2	1.3 0.03-4.3	58.7 28-124	24.9 8-74		14.2 4.9-38	19.1 11-33
M. octodecemspinosus	0.3 0-0.6	0.1 0-0.3	0	0	0	0.3 0-0.8		0	0
M. scorpius	0.06 0-0.2	0.1 0-0.4	0	0	0.1 0-03	0.2 0-0.5		0.2 0-0.7	0.4 0.1-0.8
L. atlanticus	0.6 0.1-1.3	0	5.1 1.5-13	0	3.1 1-7	4.5 1.7-10		4.1 0.4-18	1.9 0.2-6.4
L. coheni	0	0.7 0.3-1.2	0	0	0.3 0-0.7	0.1 0-0.4		0.07 0-0.3	0
Tautoga onitis	0	0	0	0	0	0		0	0
Tautogolabrus adspersus	0	0	0	0	0	0		0	0
Ulvaria subbifurcata	2.5 0.5-6.9	0.05 0-0.2	2.7 1.2-5.3	0	2.0 0.4-5.4	1.3 0.4-3		0.5 0-1.5	0.3 0-0.7
Pholis gunnellus	1.6 0.4-3.9	21 9.4-45	1.2 0.1-3.6	1.4 0.1-4.4	9.9 2.5-33	4.8 1.9-11		2.7 1.2-5.4	4.1 1.1-12
Ammodytes sp.	24.8 14-42	28.6 15-54	9.7 4.3-21	0	12.6 5.6-27	3.8 0.2-18		2.8 0.2-11	2.0 0.7-4.2
Scomber scombrus	0	0	0	0	0	0		0	0
Pleuronectes americanus	1.3 0.4-2.8	2.6 1-5.6	2 0.6-4.5	0	2.5 1-5.3	5.2 1.8-13		1.2 0-3.9	1.2 0.1-3.7
Total	57.3 40-82	112.7 55-230	36.9 21-66	3.4 0.7-10	136.9 82-229	69.7 28-168		32.7 13-83	40.1 23-71

[1]No sampling

April (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0.2	0.2	1.1	0.1	4.0	2.3	2.5	0.3	1.1
	0-0.6	0.01-0.5	0.5-1.9	0-0.5	1.8-7.9	0.4-7.2	0.6-6.5	0-0.7	0.5-1.8
Enchelyopus cimbrius	0.06	0	0	0	0	0	0	0.2	1.1
	0-0.2							0-0.6	0.02-3.2
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	22.2	11.3	12.9	5.4	11.4	31.1	19.0	14.1	8.7
	12-41	8.4-15	8.9-19	0.3-32	4.7-26	12-77	9-39	6.3-30	3.9-18
M. octodecemspinosus	0.2	0.06	0.1	0	1.0	0.3	0.2	0.06	0.1
	0-0.5	0-0.2	0-0.4		0.5-1.8	0-1.2	0-0.5	0-0.2	0-0.5
M. scorpius	0.5	0.1	0.9	0	0.6	1.0	0.4	0	0.07
	0.1-1.1	0-0.3	0.2-2		0.1-1.5	0.2-2.2	0-1		0-0.2
L. atlanticus	3.0	1.4	0.3	0	0.8	4.4	0.7	4.6	0.5
	1.9-4.5	0.4-2.9	0.04-0.7		0-2.9	1.7-9.8	0.01-1.8	1.2-13	0.1-1.1
L. coheni	0.05	0	0	0	0	0	0	0.08	0
	0-0.2							0-0.3	
Tautoga onitis	0	0	0	0	0	0	0	0	0.04
									0-0.1
T. adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0.5	2.0	0.5	0	0	0	0.09	0.1	0.7
	0.01-1.2	0.5-5	0.01-1.2				0-0.3	0-0.5	0.1-1.6
Pholis gunnellus	9.6	3.5	11.9	1.4	10.6	8.9	7.0	5.3	0.8
	3.8-22	1.7-6.6	4.3-31	0.01-4.9	5.9-18	1-48	2.2-19	2.2-12	0.3-1.6
Ammodytes sp.	33.3	26.1	34.9	11.2	274.4	44.2	154.2	52.1	18.7
	13-84	13-50	21-58	1-73	130-580	14-131	48-489	29-92	6.2-53
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0.8	1.0	0.1	0.3	0.9	2.2	0.2	8.2	1.8
	0.1-1.7	0.3-1.9	0-0.3	0-0.8	0.2-2	0.1-8	0-0.5	2.9-21	0.5-4.5
Total	109.0	55.2	99.7	20.2	349.1	114.3	216.2	118.6	53.4
	64-185	35-87	78-128	2.8-116	182-668	44-293	77-607	85-166	32-90

April (continued)							
LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia. tyrannus	0	0	0	0	0	0	0
Clupea harengus	3.7	1.0	1.5	0.2	0.7	1.6	1.3
	1.4-8	0.2-2.5	0.2-4.2	0-0.4	0-0.3	0.6-3.3	0-6.2
Enchelypus. cimbrius	0	0.05	0	0	0	0	0
		0-0.2					
Urophycis spp.	0	0	0	0	0	0	0
M. aenaeus	13.1	18.4	8.1	9.9	8.4	12.5	5.1
	7-24	7.8-42	2.4-23	4.4-21	2.5-24	5-30	0.6-22
M. octodecemspinosus	0	0.05	0.1	0	0.2	0.2	0
		0-0.2	0-0.3		0-1	0-0.6	
M. scorpius	0.06	0.1	0.1	0	0.4	0.5	0.5
	0-0.2	0-0.3	0-0.4		0-1.4	0-1.2	0.01-1.2
L. atlanticus	3.7	0.9	1.4	10.5	0	0.4	0.2
	1.2-9.1	0.2-2	0.2-3.8	4.8-22		0-1.1	0-0.4
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0
T. adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0.04	4.8	0	0.2	0
			0-0.1	1.5-13		0-0.5	
Pholis gunnellus	1.1	7.9	2.1	0.2	3.0	2.9	2.4
	0.3-2.4	3.2-18	0.5-5.7	0-0.6	0.8-7.7	0.9-7.1	0.1-9.6
Ammodytes sp.	38.9	29.8	10.3	5.4	71.5	45.7	27.1
	16-90	13-67	2-41	1.7-14	18-276	17-119	2.9-202
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	2.5	0.8	1.4	3.3	0.2	0.3	0.1
	1-5.2	0.2-1.7	0.3-3.7	1-8.2	0-0.8	0-0.8	0-0.2
Total	79.4	69.9	36.5	74.5	103.0	78.6	45.1
	41-155	34-140	12-106	47-118	40-266	35-177	5.5-327

May

LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0
Clupea harengus	0	0.1 0-0.3	0.03 0-0.1	0.05 0-0.2	0	0.06 0-0.2	0	0.06 0-0.2	0.2 0-0.5
Enchelyopus cimbrius	0.7 0.2-1.5	0.03 0-0.08	0.2 0-0.5	0	1.3 0.4-2.9	1.8 0.3-5.3	0.2 0-0.5	1.7 0.2-5.3	0.6 0-1.9
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0.2 0-0.4	1.8 0.8-3.5	2.4 0.5-7.1	0.9 0.2-2.1	1.0 0.3-2	0.3 0.01-0.8	0.1 0-0.3	0.9 0.04-2.4	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	8.0 3.5-17	1.0 0.3-2.2	6.2 2.1-16	2.0 0.8-4	7.4 3.5-15	1.8 1-3	2.0 0.1-7	12.6 5.2-29	0
L. coheni	0	0.1 0-0.3	0	0	0	0	0	0	0
Tautoga onitis	0	0.05 0-0.1	0	0	0.03 0-0.1	0	0	0	0
Tautogolabrus adspersus	0.03 0-0.1	0	0	0	0	0.1 0-0.4	0	0	0.05 0-0.2
Ulvaria subbifurcata	9.3 6.4-13	1.9 0.7-3.7	11.1 5.3-22	0.6 0.1-1.2	7.0 3.3-14	4.4 2.4-7.5	0.3 0-0.8	1.7 0.5-4	12.3 6.5-23
Pholis gunnellus	0	0.1 0-0.3	0.2 0.01-0.3	0.6 0.2-1.2	0.08 0-0.2	0.06 0-0.2	0	0.7 0.2-1.4	0.4 0.03-1
Ammodytes sp.	1.4 0.6-2.6	9.1 4-20	3.9 1.6-8.6	5.7 1.7-15	0.4 0.1-0.8	0.7 0.1-1.7	0.04 0-0.2	0.9 0-2.7	2.7 1.1-5.7
Scomber scombrus	0.4 0-1.2	0.07 0-0.2	0	0	0.2 0-0.6	0.1 0-0.3	0.05 0-0.2	0	0.3 0-0.7
Pleuronectes americanus	12.6 3.9-37	8.0 2.9-20	10.0 4.7-20	4.8 1.8-11	7.6 4.1-14	6.5 4.4-9.4	1.6 0.1-5.2	9.4 3.2-25	5.1 2.8-8.8
Total	45.9 26-82	39.7 25-62	37.7 18-76	20.5 9.5-43	45.2 33-63	22.4 18-28	3.3 0.5-11	38.0 19-75	49.5 38-64

May (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0	0.05 0-0.2
Clupea harengus	1.7 0.6-3.6	0.2 0-0.5	1.5 0.4-3.5	0	0.8 0.2-1.8	0	0.4 0-1.3	0	0.1 0-0.3
Enchelyopus cimbrius	0	1.8 0.8-3.3	0	0.2 0-0.6	0.05 0-0.2	2.4 0.2-8.3	1.4 0.2-3.8	5.0 1.4-14	4.7 1.9-10
Urophycis spp.	0	0	0	0	0	0	0	0	0.2 0-0.6
M. aenaeus	1.9 0.5-4.4	0	0.7 0-2	0.5 0.1-1.1	5.6 1.8-15	0.9 0-4.3	2.1 0.5-5.3	2.2 1.1-3.9	0.3 0-0.8
M. octodecemspinosus	0	0	0.1 0-0.4	0	0.06 0-0.2	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	4.9 2.5-8.8	4.7 3.3-6.7	1.5 0.4-3.6	3.7 1.2-9.1	8.4 3.6-18	9.0 3.4-22	1.3 0.4-2.9	8.1 2.5-22	1.0 0.3-2
L. coheni	0	0	0	0.2 0-0.6	0	0	0	0	0
Tautoga onitis	0	0.04 0-0.1	0	0	0	0	0	0	0.05 0-0.2
Tautogolabrus adspersus	0	0.1 0-0.5	0	0	0	0.06 0-0.2	0	0	0.2 0-0.6
Ulvaria subbifurcata	17.1 8.8-33	9.3 3.7-22	13.5 6.2-28	11.3 2.4-44	6.4 3-13	29.5 9.3-90	19.5 10-37	10.4 5.6-19	13.0 3.6-42
Pholis gunnellus	0.4 0.1-0.8	0.1 0-0.3	0.5 0-1.2	0.08 0-0.3	0.7 0.1-1.7	0.1 0-0.5	0.2 0-0.7	0.2 0-0.6	0
Ammodytes sp.	14.2 7.1-27	0.6 0.1-1.2	17.5 3.7-72	10.9 4.6-24	53.3 23-124	2.3 0.1-8.6	18.7 6.1-54	15.6 6.3-37	2.8 0.5-8.5
Scomber scombrus	0.04 0-0.1	1.2 0-4.7	0	0.4 0.01-0.9	0	0.3 0-1.1	1.3 0-4.7	0.7 0-2.3	2.8 1-5
Pleuronectes americanus	5.6 2.2-13	10.3 4.3-23	3.5 0.6-12	9.6 5.7-16	16.8 7.6-36	17.3 11-27	7.3 3.1-16	45.3 20.2-100	27.9 9.4-79
Total	68.9 51-92	50.8 37-70	72.4 32-163	54.5 30-99	136.7 86-216	94.0 53-166	97.6 70-136	127.7 80-203	111.0 51-240

May (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Clupea harengus	0.3 0-1.1	0.2 0-0.8	0.5 0-1.8	0	0.3 0-1.2	0.2 0-0.5	1.0 0.2-2.4
Enchelyopus cimbrius	0.3 0-1.1	0.06 0-0.2	8.5 2-29	0.3 0-8	0.6 0.04-1.5	0.6 0-1.5	0.3 0-0.9
Urophycis spp.	0	0	0	0	0	0	0
M. aenaeus	0.5 0-1.3	0.6 0-1.6	0.3 0-1.6	0.2 0-0.5	0.4 0-1.2	1.3 0.3-3	0.2 0-0.5
M. octodecemspinosus	0	0	0	0	0.05 0-0.2	0	0
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	1.1 0.2-2.8	0.4 0-1.2	4.0 1-12	3.5 1.3-8	0.5 0-1.3	4.1 1.8-8.2	0.7 0.1-1.9
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	0	0	0.3 0-0.9	0	0	0.05 0-0.2	0
Tautogolabrus adspersus	0	0	0.3 0-1.5	0	0	0	0
Ulvaria subbifurcata	1.0 0-3.9	5.3 1-19	16.2 9-29	14.6 5.1-39	11.1 6.3-19	14.9 5.8-36	1.3 0.3-3.0
Pholis gunnellus	0.07 0-0.2	0.05 0-0.2	0.2 0-0.5	0	0	0.03 0-0.1	0.1 0-0.3
Ammodytes sp.	1.3 0-6.4	5.0 1-17	2.1 0-13	0.8 0.1-2.1	6.4 1.9-18	3.2 1.6-6	1.4 0.1-4.0
Scomber scombrus	0	0	3.3 0.6-11	0.5 0.02-1.2	0.1 0-0.4	0.09 0-0.2	0.05 0-0.2
Pleuronectes americanus	1.2 0-4.2	1.2 0.2-3.5	71.0 25-197	13.2 5.3-31	3.2 1.1-7.6	11.3 2.5-43	5.7 1.5-17
Total	7.4 1.7-25	53.2 32-89	164.4 81-334	50.9 25-101	29.2 18-47	70.3 33-147	16.6 6.1-43

June									
LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	18.1	0.2	0.2	0	4.7	2.6	1.0	0.3	3.0
	8.6-37	0-0.5	0-0.5		1-15	0.5-7.7	0-3.3	0-0.6	0.8-7.9
Clupea harengus	0	0	0	0	0.05	0	0	0	0
					0-0.2				
Enchelyopus cimbrius	19.6	0.5	7.1	0.1	15.9	12.6	1.5	1.0	16.3
	12-33	0.1-1.1	3-16	0-0.3	6.5-37	6.3-24	0-6	0.4-19	7.3-35
Urophycis spp.	0.4	0	0.4	0	0	0.6	0	0	0.2
	0.1-0.8		0.03-0.8			0-1.7			0-0.6
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0.7	0.3	0.5	2.1	1.4	1.5	0.4	3.9	0.7
	0.3-1.4	0-0.7	0.03-1.2	0.5-5.5	0.8-2.2	0.4-3.3	0-1.6	1.9-7.3	0.1-1.8
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	3.5	1.0	0.4	0	1.7	0.7	0.9	0.3	6.0
	1.7-6.6	0.1-2.6	0.1-0.8		0.3-4.6	0.2-1.6	0-2.9	0.04-0.5	2.5-13
Tautogolabrus adspersus	34.4	3.3	3.2	0	8.4	12.8	0.4	0.6	35.8
	15-79	1.2-7.3	0.6-9.8		1.2-38	3.4-43	0-1.2	0.1-1.3	15-85
Ulvaria subbifurcata	0.5	0.9	0.6	0.6	2.3	1.9	0.1	0.5	2.1
	0.2-1	0.3-1.8	0.2-1.2	0.1-1.4	1-4.7	1-3.3	0-0.4	0-1.5	0.7-4.7
Pholis gunnellus	0.03	0	0	0.06	0	0	0	0	0
	0-0.1			0-0.2					
Ammodytes sp.	0.02	0	0.06	0.06	0	0	0	0	0.09
	0-0.06		0-0.2	0-0.2					0-0.3
Scomber scombrus	15.6	4.8	20.6	0.06	13.2	15.3	0.3	1.7	37.8
	6.1-38	1.6-12	7.6-53	0-0.2	2.5-56	1.9-90	0-0.7	0.5-4.2	8.4-160
Pleuronectes americanus	1.0	2.3	0.3	1.9	1.7	0.7	0.2	0.3	0.4
	0.5-1.8	1-4.4	0-0.6	0.4-5.1	0.8-3	0.1-1.7	0-0.6	0-0.8	0-1
Total	181.6	16.9	47.1	5.9	69.2	87.3	4.1	14.5	204.9
	98-336	6.8-40	20-110	2.2-14	21-219	34-220	0.6-16	9-23	121-346

June (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.6	0.4	0.5	0	0.5	6.3	0.9	3.4	1.6
	0.1-1.4	0-1.5	0.03-1.2		0-1.5	1.9-18	0.2-2.1	1.2-7.9	0.3-4.3
Clupea harengus	0	0	0	0.07	0	0	0	0	0
				0-0.3					
Enchelyopus cimbrius	8.1	1.3	8.9	10.0	3.6	9.9	10.7	11.9	10.5
	2-26	0.1-3.9	2.7-26	7.2-14	1.7-6.6	2.2-36	3-33	4.5-29	4.1-25
Urophycis spp.	0	0	0	0	0	0.08	0.2	0.7	1.8
						0-0.3	0-0.4	0.2-1.5	0.3-4.7
M. aenaeus	0.08	0	0	0	0	0	0	0	0.1
	0-0.3								0.3
M. octodecemspinosus.	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	2.3	2.4	0.4	1.6	2.6	1.3	2.0	0.8	0.08
	0.9-4.8	0-13	0.1-0.8	0.1-5.2	1.1-5.2	0.1-3.5	0.3-6.3	0.2-1.8	0-0.2
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	1.3	1.0	2.1	0.6	0	1.5	0.8	0.9	1.1
	0.2-3.3	0-3.8	0.8-4.4	0.03-1.4		0-5	0.1-1.9	0.3-1.9	0.4-2.2
Tautogolabrus adspersus	2.0	4.9	1.1	0.3	0.2	0	1.9	9.9	13.8
	0.2-6.7	0-44	0.4-22	0.1-0.7	0-0.6		0.4-5	3.9-23	2.8-57
Ulvaria subbifurcata	2.7	1.2	1.2	3.4	6.3	0.7	9.7	2.2	3.9
	1.3-4.8	0.1-3.3	0.5-2.2	1.9-5.7	2.6-14	0-2	3.2-26	0.4-6.7	1-11
Pholis gunnellus	0	0	0	0	0	0	0	0.07	0
								0-0.2	
Ammodytes sp.	0.4	0	0	1.1	0.4	0	0.06	0.2	0.1
	0.1-0.9			0.1-3.1	0-0.9		0-0.2	0-0.6	0-0.4
Scomber scombrus	2.4	19.0	7.0	5.5	1.2	30.5	13.8	16.1	8.1
	0.5-6.4	0-626	2.9-15	2.1-13	0.2-3.3	3.4-223	4.1-42	5-48	1.9-27
Pleuronectes americanus	0.08	1.1	0.4	3.7	2.3	0.8	6.5	4.9	11.6
	0-0.3	0-4.1	0.1-0.9	1.5-7.8	0.6-5.5	0.1-1.8	1.6-21	1.2-15	3.6-33
Total	36.8	31.8	23.8	45.2	33.8	59.7	89.4	98.1	150.4
	17-79	0.5-732	8-70	31-66	25-45	8.2-399	33-238	53-180	62-363

June (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	1.0 0.1-2.7	0.2 0-0.8	0.1 0-0.2	0.3 0-1.1	0.1 0-0.2	0.1 0-0.3	0.8 0.1-1.8
Clupea harengus	0	0	0	0	0.03 0-0.1	0.07 0-0.3	0
Enchelyopus cimbrius	1.9 0.3-5.4	0.5 0-1.4	3.6 1.9-6.2	2.5 0.7-6.3	0.7 0.1-1.8	15.7 5.7-40	3.7 1.2-9.0
Urophycis spp.	0	0.6 0-2.1	0.4 0.1-0.8	0.3 0-0.9	0.3 0-0.9	0.4 0-1.3	0
M. aenaeus	0	0	0	0	0	0	0.1 0-0.2
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0.05 0-0.2	0	0	0
L. atlanticus	0.1 0-0.4	0	0.3 0.03-0.7	0.2 0-0.5	0.1 0-0.3	0.5 0.04-1.1	0.3 0-0.9
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	1.4 0.3-3.4	0.4 0-1.1	1.6 0.1-5.1	0.6 0.02-1.4	0	1.9 0.7-4	1.9 0.6-4.4
Tautogolabrus adspersus	6.3 0.6-33	3.4 0.6-11	6.3 1.3-22	1.8 0.6-3.8	0.4 0-1.3	7.0 2.1-20	4.3 0.7-16
Ulvaria subbifurcata	0.7 0-2.4	1.4 0.1-4.4	3.1 1.1-7.2	1.6 0.2-5	3.6 0.8-11	3.5 0.8-10	2.0 0.3-5.8
Pholis gunnellus	0	0	0	0	0.1 0-0.3	0	0
Ammodytes sp.	0	0	0.1 0-0.3	0	0.6 0-1.8	0	0.3 0-0.8
Scomber scombrus	0.3 0-0.8	4.3 0.4-18	1.7 0.2-4.8	1.4 0.2-3.8	0.9 0.1-2.5	7.6 2-24	2.5 0.7-6
Pleuronectes americanus	0.8 0-2.3	4.3 0.4-18	3.2 1.4-6.4	2.2 0.3-7	3.0 1.1-6.7	6.0 2.3-14	10.3 2.3-37
Total	15.6 3.2-64	29.9 12-71	47.7 28-79	24.2 13-46	17.0 18-35	107.8 52-221	75.4 43-132

July LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	3.8 0.8-12	0	0.8 0.3-1.5	0	0.3 0.04-0.7	0.1 0-0.3	0.09 0-0.3	1.2 0.1-3.2	1.4 0.4-3
Clupea harengus	0	0	0	0	0.03 0-0.1	0	0	0	0
Enchelyopus cimbrius	6.3 2.8-13	1.0 0.5-1.8	3.4 1.1-8.5	0.6 0.2-1.2	1.6 0.5-3.5	0.09 0-0.2	0	1.1 0.2-2.5	0.6 0-1.6
Urophycis spp.	2.1 0.4-6	0	2.3 0.7-5.3	0	0.04 0-0.1	0	0	0.06 0-0.2	0
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0.03 0-0.1	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	3.4 1.6-6.3	0.3 0.01-0.6	1.5 0.4-3.3	0	0.5 0.1-1	0.4 0.1-0.9	0	1.2 0.3-2.9	1.6 0.4-3.9
Tautogolabrus adspersus	83.5 18-384	0.9 0.3-1.7	21.2 9.8-45	0.05 0-0.2	4.4 2-8.5	0.4 0.05-0.8	0	5.1 2.6-9.6	6.4 3.6-11
Ulvaria subbifurcata	0.1 0-0.4	0.09 0-0.3	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	2.1 0.2-7.3	0	0.6 0.09-1.4	0.05 0-0.2	0.7 0.2-1.5	0.3 0-0.7	0	0	0.08 0-0.3
Pleuronectes americanus	0	0.05 0-0.2	0.08 0-0.2	0	0	0	0	0	0
Total	126 33-475	3.4 2.4-4.7	39.5 20-78	1.1 0.6-1.8	10.4 5.6-19	1.4 0.6-2.7	0.2 0-0.6	11.7 6.4-21	18.7 14-24

July (continued)									
LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	1.9	0	0.5	0.04	0.3	1.0	1.4	11.1	28.1
	0.8-3.6		0.2-0.9	0-0.2	0.01-0.6	0.4-1.8	0.4-3.1	3.5-32	10-75
Clupea harengus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0	0	0.3	0.6	2.4	1.9	0.8	3.4	32.3
			0-0.9	0.01-1.6	0.9-5.1	0.5-4.4	0.1-1.8	1.4-7	13-78
Urophycis spp.	0.7	0.04	0	0	0	0.8	0.2	1.1	16.6
	0.2-1.4	0-0.1				0-3.2	0-0.6	0-5.9	4.4-57
M. aenaeus	0	0	0	0.2	0	0	0	0	0
				0-0.6					
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0.05	0	0.1	0	0
					0-0.2		0-0.3		
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	2.6	0	0.6	0	0.4	0.7	1.6	4.5	22.5
	0.8-6.3		0.1-1.3		0-1	0.3-1.2	0.8-2.7	1.2-13	9-54
Tautogolabrus adspersus	106.4	0	0.4	0.7	2.3	4.5	6.9	56.1	135.6
	53-214		0.09-0.7	0.07-1.8	0.9-4.7	2.7-7.3	3.6-13	24-132	39-471
Ulvaria subbifurcata	0.2	0	0.4	0.05	0.8	0	0.5	0.1	0.5
	0.01-0.4		0.08-0.8	0-0.2	0.03-2.1		0-1.4	0-0.3	0-1.3
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0.2	0	0	0	0	0
				0-0.5					
Scomber scombrus	1.2	0	0.6	0.3	0.6	1.6	1.6	0.5	0.9
	0.2-2.9		0.1-1.4	0-0.8	0-1.8	0.1-5.1	0.3-4.2	0-1.5	0.1-2.3
Pleuronectes americanus	0	0	0	0.1	0	0.06	0.1	0.1	0.08
				0-0.4		0-0.2	0-0.3	0-0.3	0-0.3
Total	146.7	1.1	3.8	4.4	11.0	18.3	16.9	104.0	282.2
	80-270	0.5-2.1	1.7-7.7	3-6.2	5.3-22	9-36	9-31	52-206	79-1007

July (continued)							
LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	4.5	0.2	0.6	1.4	0.5	0.1	9.0
	2-9.2	0-0.6	0.2-1.2	0.3-3.3	0.04-1.2	0-0.2	2.4-28.2
Clupea harengus	0	0.04	0	0.1	0	0	0
		0-0.1		0-0.3			
Enchelyopus cimbrius	18.5	0.5	3.2	0.2	0.1	0.5	0.8
	8.6-39	0.02-1.1	0.8-8.8	0-0.7	0-0.4	0-1.2	0-2.5
Urophycis spp.	3.1	0	0.6	0.04	0	0.3	0
	0.9-8		0-1.8	0-0.1		0-0.9	
M. aenaeus	0	0.04	0	0	0	0	0
		0-0.2					
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	
							0
L. atlanticus	0	0	0	0	0	0	
							0.06
L. coheni	0	0	0	0	0	0	0-0.2
							0
Tautoga onitis	1.2	0.2	5.0	1.6	1.3	0.8	
	0.3-2.7	0.01-0.5	3.3-7.5	0.4-3.9	0.2-3.6	0.2-1.7	0.8
Tautogolabrus adspersus	22.2	15.4	33.6	7.2	2.3	2.5	0.01-2.1
	11-43	5.9-38	16-69	2.9-16	1.1-4	0.7-6.1	6.2
Ulvaria subbifurcata	0.7	0.1	0.4	0.2	0.2	0.2	2.7-12.8
	0-2.4	0-0.4	0-1	0-0.4	0-0.4	0-0.6	0.03
Pholis gunnellus	0	0	0	0	0	0	0-0.1
							0
Ammodytes sp.	0	0	0	0	0	0	
							0
Scomber scombrus	0.2	0	0.3	0.4	0.1	0.5	
	0-0.5		0-0.6	0-1.5	0-0.4	0.1-1.1	0
Pleuronectes americanus	0	0	0	0	0	0.04	0.06
						0-0.1	0-0.2
Total	70.0		66.5	26.5	6.4	4.8	27.1
	45-109		39-112	15-46	3.2-12	1.5-13	11-64

August LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0.1 0-0.3	0.2 0-0.4	0.2 0-0.5	0	0.05 0-0.2	0	0	0.5 0-1.5	0
Clupea harengus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	1.7 0.6-3.7	1.6 0.5-3.6	5.3 1.1-18	0.6 0-1.5	0.8 0.1-1.9	0	0	2.1 0.3-6.3	8.7 3.6-20
Urophycis spp.	1.2 0.3-2.9	0.5 0.1-0.9	0.4 0.06-0.9	0.4 0-1	1.4 0.3-3.8	0	0.05 0-0.2	0.3 0-0.9	3.2 0.8-9
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0.9 0.3-1.9	0.06 0-0.2	0.7 0.2-1.5	1.0 0-3	0.6 0.1-1.2	0.3 0.01-0.7	0.2 0-0.6	0.4 0-0.9	2.3 1-4.5
Tautogolabrus adspersus	3.2 1.6-5.9	2.8 1--6.1	3.5 1.1-9	0.6 0-1.6	3.6 1.9-6.4	0.2 0-0.4	0	2.4 0.9-5.4	9.3 6.4-13
Ulvaria subbifurcata	0	0	0.05 0-0.2	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0.04 0-0.1	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0.05 0-0.2	0	0	0	0	0
Total	12.0 6.6-21	7.8 4.2-14	15.0 5.1-41	2.9 0.7-7.6	10.2 5.7-18	1.2 0.6-1.9	0.3 0-0.8	6.3 2-17	38.5 23-65

August (continued)									
LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.3	0	0.05	0.3	0	0	0.1	7.5	0.7
	0-0.8		0-0.2	0-0.8			0-0.3	1.9-24	0.09-1.6
Clupea harengus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	2.2	1.7	1.0	0.3	2.6	0.9	2.7	1.2	2.2
	0.4-6.2	0.7-32	0.4-1.8	0-0.9	0.6-6.8	0-2.7	0.8-6.5	0.2-3.1	0.8-4.8
Urophycis spp.	1.3	0.6	1.0	0.3	0.7	3.6	3.4	4.0	3.9
	0.4-3	0.06-1.6	0.04-2.7	0-0.7	0.1-1.7	0.2-16	0.7-10.6	1.1-11	1.3-9.5
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	3.4	1.0	0.4	1.6	0.4	2.2	1.9	3.1	0.7
	1.3-7.5	0.4-1.8	0-1.1	0.1-5	0.1-0.9	0.3-6.6	0.6-4.2	0.8-8.5	0.1-1.7
Tautogolabrus adspersus	10.0	9.9	1.1	8.5	4.8	10.2	3.5	34.3	3.3
	2.3-36	5.6-17	0.4-1.9	4.1-17	2-10	3.9-25	1.1-8.8	12-97	1.3-6.9
Ulvaria subbifurcata	0	0	0.05	0	0	0.2	0	0	0
			0-0.2			0-0.7			
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0.1	0	0	0
						0-0.3			
Scomber scombrus	0.1	0	0.08	0	0	0.2	0	0	0
	0-0.3		0-0.3			0-1			
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	26.7	18.5	5.2	13.1	9.4	31.6	22.4	89.2	20.9
	10-67	14-25	2.7-9.4	5.7-28	3.4-23	13-77	11-43	45-175	9.7-44

August (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0.9	0.1	0.2	1.5	0.4	0	0.3
	0.3-1.8	0-0.3	0-0.5	0.1-4.6	0-1		0-0.9
Clupea harengus	0	0	0	0.04	0	0	0.09
				0-0.1			0-0.3
Enchelyopus cimbrius	1.6	0.4	2.7	0.6	0	0.5	1.4
	0.4-3.7	0-1	0.7-7	0.04-1.5		0-1.4	0.4-3.4
Urophycis spp.	0.7	0.3	1.7	0.1	0.2	0	0.5
	0.08-1.6	0-0.6	0.9-2.8	0-0.4	0-0.7		0.03-1.1
M. aenaeus	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	1.0	0.8	1.5	0.1	0.2	1.5	0.7
	0.3-2	0.3-1.5	0.4-3.3	0-0.3	0-0.5	0.5-3.3	0.2-1.6
Tautogolabrus adspersus	1.3	2.3	4.8	0.6	0.3	2.6	0.8
	0.5-2.7	0.8-5.3	1.8-11	0-1.8	0-0.7	0.8-6.3	0.2-1.5
Ulvaria subbifurcata	0	0	0	0.04	0	0.1	0
				0-0.1		0-0.3	
Pholis gunnellus	0	0	0	0.09	0	0	0
				0-0.3			
Ammodytes sp.	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0.01	0
						0-0.2	
Pleuronectes americanus	0	0	0	0	0	0.1	0.03
						0-0.2	0-0.1
Total	10.8		17.6	6.2	1.9	9.1	6.1
	5.3-21		9.8-31	2.8-13	0.8-3.7	4.6-17	2.8-12.3

September									
LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0.04	1.7	0	0	0	0.1	0	0.1	0
	0-0.2	0.7-3.5				0.01-0.3		0-0.3	
Clupea harengus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	0.5	1.6	6.0	3.0	3.1	0.3	1.6	1.7	2.1
	0.09-1.1	0.5-3.3	2-15	1.6-5.3	1.5-5.7	0.03-0.6	0.8-2.8	0.3-4.5	1.1-3.6
Urophycis spp.	2.0	1.9	4.5	12.3	10.9	0.2	0.3	0.4	1.3
	0.3-5.7	0.4-4.7	2.4-8	3.9-35	3.6-30	0-0.5	0.03-0.7	0.1-0.9	0.5-2.5
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0.07	0	1.0	0.8	1.4	0.2	0.2	0.04	0.7
	0-0.3		0.5-1.5	0.2-1.8	0.2-3.6	0-0.5	0-0.5	0-0.1	0.3-1.3
Tautogolabrus adspersus	0.1	0.2	0.2	0.2	0.4	0.04	0.3	0.06	0.5
	0-0.3	0-0.4	0-0.5	0-0.4	0.1-0.8	0-0.1	0.04-0.5	0-0.2	0.1-0.9
Ulvaria subbifurcata	0	0.04	0	0	0	0	0	0	0
		0-0.1							
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	5.3	8.3	19.6	27.3	21.5	2.3	3.9	3.4	8.8
	2.1-12	3.9-17	11-34	12-61	9-48	1-4.4	2.1-6.7	1.4-7.2	7-11

September (continued)									
LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.2	0	0	7.7	0.2	0	0.6	1.9	0.4
	0-0.5			3.9-15	0-0.7		0-1.7	0.7-3.8	0.04-0.9
Clupea harengus	0	0	0	0	0	0	0	0	0
Enchelyopus cimbrius	1.0	1.6	1.7	3.2	0.9	0.2	0.5	2.7	1.7
	0-3.3	0.4-3.7	0.6-3.8	1-7.8	0-3.1	0-0.4	0.04-1	1.2-5.3	0.6-3.4
Urophycis spp.	0.9	1.7	1.0	4.3	7.8	3.6	2.6	24.3	7.2
	0.01-2.5	0.6-3.8	0.1-2.7	2.5-7.1	2.5-21	1-10	0.6-7.5	7.8-72	1.6-25
M. aenaeus	0	0	0	0	0	0	0	0	0
M..octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0.1	1.7	0.3	1.1	0.5	0.05	1.2	0.4	1.6
	0-0.4	0.4-4.1	0-0.6	0.5-1.9	0-1.6	0-0.2	0.2-2.9	0-9	0.5-3.5
Tautogolabrus adspersus	0.5	2.8	0.3	3.2	0.5	0.4	1.2	0.3	0.5
	0-1.3	0.6-7.8	0-0.9	1.3-6.8	0-1.3	0-1.2	0.2-2.9	0-0.9	0.02-1.1
Ulvaria subbifurcata	0	0	0	0.03	0	0	0	0	0
				0-0.1					
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	4.2	10.5	4.1	28.3	15.2	9.1	7.2	48.4	18.7
	1.3-11	4-25	1.4-9.9	17-47	6.6-33	3.8-20	2.1-20	24-95	5.8-56

September (continued)							
LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	9.0 3.3-22	0.08 0-0.2	0.04 0-0.2	0.3 0-0.7	0.6 0-1.7	0.1 0-0.3	0
Clupea harengus	0	0	0	0	0.04 0-0.1	0	0
Enchelyopus cimbrius	1.2 0.1-3.3	0	0.6 0.09-1.5	0.1 0-0.3	0.05 0-0.2	0	0.09 0-0.3
Urophycis spp.	1.2 0-3.9	0.4 0-0.5-0.8	0.2 0-0.4	0.04 0-0.1	0.07 0-0.2	0	0
M. aenaeus	0	0	0	0	0	0	0.1 0-0.3
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	1.4 0.5-2.8	1.4 0.5-2.8	0.3 0-0.9	0	0.5 0.1-1.1	1.2 0.3-2.9	0.9 0.3-1.8
Tautogolabrus adspersus	0.1 0-0.3	0.1 0.0.3	0.6 0.03-1.4	0.04 0-0.1	0.5 0.04-1.3	0.1 0-0.2	0.2 0-0.6
Ulvaria subbifurcata	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0
Total	22.1 9.6-50		2.5 0.9-5.7	0.8 0.3-1.5	3.1 1.2-6.8	1.7 0.5-3.7	2.1 0.8-4.5

October

LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0.4 0-1.1	0	0	0.4 0-1.4	0.1 0-0.4	0.2 0-0.5	0	0
Clupea harengus	0	0	0	0	0	0.3 0-0.8	0.05 0-0.2	0	0
Enchelyopus cimbrius	0.8 0-2.5	0	0.3 0-0.8	0.06 0-0.2	6.2 2.3-15	0	1.3 0.4-2.8	0.6 0-2	6.7 3.3-13
Urophycis spp.	1.5 0.01-5.2	1.1 0-4	0	0.4 0-1.2	4.3 0.5-18	0.1 0-0.4	0.2 0-0.4	0	1.1 0.01-3.3
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0	0.2 0-0.5	0	0	0	0	0.2 0-0.6	0	0
Tautogolabrus adspersus	0	0.07 0-0.3	0	0	0	0	0.06 0-0.2	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	2.1 0-8.6	1.7 0.07-5.9	0.9 0.2-1.9	0.9 0.1-2.2	11.9 3.7-34	0.5 0-1.7	3.2 1.6-5.9	0.9 0-2.6	9.9 4.9-19

October (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	1.2	0	0	2.0	0.7	5.2	2.0	13.2	0.5
	0.1-3.5			0-8	0-1.8	0.4-26	0.1-7.1	1.2-89	0-1.6
Clupea harengus	0	0	0.1	0	0	0	0	0.6	0
			0-0.5					0-3.5	
Enchelyopus cimbrius	6.1	0.3	2.1	0.4	6.3	0.1	0.6	1.4	0
	1.4-20	0-1	0.9-3.9	0-1.4	0-54	0-0.4	0-1.7	0-6.6	
Urophycis spp.	1.5	0	0.3	0.4	2.1	0.9	0.8	2.5	0
	0.2-4		0-1.2	0-1.4	0-9.2	0-3	0-2.4	0.4-8.1	
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecem.	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0	0	0.2	0.1	0.1	0	0.2	0.6	0
			0-0.9	0-0.4	0-0.4		0-0.7	0-1.6	
Tautogolabrus adspersus	0	0	0	0.1	0	0.1	0	0	0
				0-0.4		0-0.4			
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	11.6	0.3	3.4	2.8	10.8	13.0	4.1	34.0	2.0
	4.9-26	0-1	1.7-6.1	0.2-11	0.7-79	5.4-30	0.6-15	11-104	0.03-7.8

October (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	4.7 0.8-17	0	0	0	0	0	0
Clupea harengus	0	0.5 0-1.4	0	0	0	0.1 0-0.3	0.07 0-0.2
Enchelyopus cimbrius	1.0 0-5.2	0	1.1 0-3.8	0	0.04 0-0.1	0.1 0-0.3	0
Urophycis spp.	0.4 0-1.7	0.6 0-1.8	0	0	0	0	0
M. aenaeus	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	0.1 0-0.5	0	0	0	0.3 0-1.2	0.1 0-0.6	0
Tautogolabrus adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0
Total	13.9 7.3-26		4.1 1-12	0.06 0-0.2	0.4 0-1.3	1.0 0-3.2	0.1 0-0.2

November									
LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0	0.5 0.04-1	0	2.1 0.7-5	0	0.4 0-1.1	0	0
Clupea harengus	0	0	0	0.2 0-0.8	0	0.5 0-1.7	0.8 0-2.9	0	0.4 0-1.2
Enchelyopus cimbrius	0.2 0-1.7	0	0.09 0-0.4	0	0.1 0-0.4	0	0.3 0-0.8	0	0.6 0-1.6
Urophycis spp.	0.2 0-1.7	0	0	0	0.2 0-0.7	0	0	0	0.09 0-0.4
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecem...	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	0.4 0-4	0	0.7 0-2	0.5 0.05-1.3	2.5 0.6-6.5	0.5 0-1.7	2.4 0.8-5.6	0	1.3 0.8-1.9

November (continued)									
LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0.7	0.3	0.2	0.5	0	0	0	0	0.5
	0-2.2	0-1.5	0-0.9	0.07-1.1					0-1.2
Clupea harengus	4.6	0	0	0	11.4	15.3	2.8	12.5	1.5
	1.3-13				1.4-64	1.3-117	0.6-8.1	1.6-69	0-5.8
Enchelyopus cimbrius	0.4	0	0	0.1	0.08	0.1	0.2	0.1	0.2
	0-0.9			0-0.6	0-0.3	0-0.5	0-0.5	0-0.5	0-0.6
Urophycis spp.	0.2	0	0	0	0.06	0	0	0	0.6
	0-0.8				0-0.2				0-1.7
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecem.	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0	0.1	0	0	0	0	0	0	0
		0-0.5							
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	5.3	0.6	0.2	0.7	11.5	16.9	3.0	14.2	5.3
	1.2-17	0-23	0-1	0.04-1.8	1.4-65	1.7-118	0.6-8.8	2.7-61	1.9-13

November (continued)

LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	1.1	0	0.8	0.09	0.1	0	0
	0-4.6		0-2.5	0-0.4	0-0.5		
Clupea harengus	3.7	4.7	0.4	0.3	0	0.5	0.7
	0.4-15	0-31	0-2.1	0-1.6		0-1.2	0-4.4
Enchelyopus cimbrius	0.1	0	0.2	0	0	0	0
	0-0.4		0-0.5				
Urophycis spp.	0	0	0	0	0	0	0
M. aenaeus	0	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0
Ammodytes sp.	0	0	0	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0.06	0	0	0
				0-0.2			
Total	6.6		2.2	0.5	0.5	0.5	0.7
	2-19		0.5-6	0-1.9	0.1-1.2	0-1.4	0-4.4

December

LARVAE	1981	1982	1983	1984	1985	1986	1987	1988	1989
Brevoortia tyrannus	0	0.2 0-0.5	0	0	0	0	0	0	0
Clupea harengus	0.2 0-0.6	0	1.9 0-8.8	0	1.0 0.02-3.1	0.1 0-0.4	4.6 1.1-14	0.1 0-0.4	0.1 0-0.4
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0	0	0	0.1 0-0.4	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0	0	0	0	0.1 0-0.4	0	0
Ammodytes sp.	0	2.1 0-9.3	0.1 0-0.6	0	0.1 0-0.4	0	0	0	0
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	0.2 0-0.6	2.8 0.2-11	2.3 0.08-9.1	0.2 0-0.6	1.8 0.3-5.4	0.1 0-0.4	4.9 1.4-14	0.1 0-0.4	0.1 0-0.4

December (continued)

LARVAE	1990	1991	1992	1993	1994	1995	1996	1997	1998
Brevoortia tyrannus	0	0	0	0	0	0	0	0.5 0-1.4	0
Clupea harengus	1.2 0.8-1.6	1.0 0-4	1.3 0.3-2.9	0	1.2 0-5.5	13.3 1.9-70	0.6 0.02-1.5	9.9 1.3-51	2.0 0.5-4.9
Enchelyopus cimbrius	0	0	0	0	0	0	0	0	0
Urophycis spp.	0	0	0	0	0	0	0	0	0
M. aenaeus	0	0	0	0	0	0	0	0	0
M. octodecem.	0	0	0	0	0.09 0-0.4	0	0.04 0-0.1	0	0
M. scorpius	0	0	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0	0	0
Pholis gunnellus	0	0	0.3 0-1	0	0	0	0	0	0.05 0-0.2
Ammodytes sp.	0	0	0.2 0-1.1	0	0	0	0.04 0-0.1	0	0.4 0-1.4
Scomber scombrus	0	0	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0	0	0
Total	1.2 0.8-1.6	1.0 0-4	2.0 0.5-4.9	0.2 0-0.7	1.5 0-6	13.3 1.9-70	0.6 0.02-1.6	10.5 1.4-55	3.4 1.3-7.3

December (continued)							
LARVAE	1999	2000	2001	2002	2003	2004	2005
Brevoortia tyrannus	0	0	0	0	0	0	0
Clupea harengus	3.2 0.4-12	0.5 0-3	1.0 0-2.9	0	0.5 0.04-1.1	1.6 0.3-4.3	0.7 0-4.4
Enchelyopus cimbrius	0	0	0	0	0	0	0
Urophycis spp.	0.1 0-0.5	0	0	0	0	0	0
M. aenaeus	0.2 0-1	0	0	0	0	0	0
M. octodecemspinosus	0	0	0	0	0	0	0
M. scorpius	0	0	0	0	0	0	0
L. atlanticus	0	0	0	0	0	0	0
L. coheni	0	0	0	0	0	0	0
Tautoga onitis	0	0	0	0	0	0	0
Tautogolabrus adspersus	0	0	0	0	0	0	0
Ulvaria subbifurcata	0	0	0	0	0	0	0
Pholis gunnellus	0.2 0-0.6	0	0.2 0-3.7	0	0	0	0
Ammodytes sp.	0.2 0-1.2	0	0	0	0.4 0-1.5	0	0
Scomber scombrus	0	0	0	0	0	0	0
Pleuronectes americanus	0	0	0	0	0	0	0
Total	4.8 1.1-15		1.1 0-3.7	0	0.8 0-2.3	1.7 0.3-4.4	0.7 0-4.4