Table 7. Juvenile Atlantic salmon stocking summary for New England in 2004.

United States

No. of fish stocked by lifestage

River	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
Connecticut	7,683,000	3,100	2,500	0	96,400	7,785,000
Total for Connecticut Program						**7,785,000**
Androscoggin	2,000	0	0	0	0	2,000
Aroostook	169,000	0	0	0	0	169,000
Dennys	219,000	44,000	0	56,300	0	319,300
East Machias	319,000	0	0	0	0	319,000
Kennebec	52,000	0	0	0	0	52,000
Machias	379,000	3,100	0	0	0	382,100
Narraguagus	468,000	0	0	0	0	468,000
Penobscot	1,812,000	369,200	0	566,000	0	2,747,200
Pleasant	47,000	0	0	0	8,800	55,800
Saco	375,000	0	0	5,400	0	380,400
Sheepscot	298,000	15,600	0	0	0	313,600
St Croix	0	0	0	4,100	0	4,100
Union	3,000	0	0	0	0	3,000
Total for Maine Program						**5,215,500**
Merrimack	1,556,000	3,700	0	50,000	0	1,609,700
Total for Merrimack Program						**1,609,700**
Pawcatuck	557,000	0	0	6,100	0	563,100
Total for Pawcatuck Program						**563,100**
Total for United States						**15,173,300**

Canada

No. of fish stocked by lifestage

River	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
St Croix	0	2,800	0	0	0	2,800
Total for Canada Program						**2,800**
Total for Canada						**2,800**

Grand Total

15,176,100

Distinction between US and CAN stocking is based on source of eggs or fish.

Table 8. Captive and domestic adult Atlantic salmon stocking summary for New England in 2004 by river, season, and year class (= year of egg take or wild collection).

	NUMBER RELEASED BY SEASON AND YEAR CLASS														
	Spring / early summer							Autumn							
	1998	1999	2000	2001	2002	2003	2004	1998	1999	2000	2001	2002	2003	2004	**Total**
United States															
Connecticut	0	0	0	0	0	0	0	0	0	0	110	0	0	0	110
Total for Connecticut program :	0	0	0	0	0	0	0	0	0	0	110	0	0	0	110
Dennys	0	0	0	0	0	0	0	0	60	36	0	101	127	0	324
East Machias	0	0	0	0	0	0	0	0	0	97	0	0	0	0	97
Machias	0	0	0	0	0	0	0	0	0	193	0	100	116	0	409
Narraguagus	0	0	0	0	0	0	0	0	0	195	96	0	0	0	291
Pleasant	0	0	0	0	0	0	0	0	0	101	0	0	0	0	101
Penobscot	0	0	0	0	0	0	0	0	0	579	383	0	0	530	1,492
Sheepscot	0	0	0	0	0	0	0	0	0	116	0	0	0	0	116
Total for Maine program :	0	0	0	0	0	0	0	0	60	1,317	479	201	243	530	2,830
Merrimack	0	0	0	0	724	0	0	0	0	0	297	350	0	0	1,371
Total for Merrimack program :	0	0	0	0	724	0	0	0	0	0	297	350	0	0	1,371
Total United States	0	0	0	0	724	0	0	0	60	1,317	886	551	243	530	4,311

Table 9.1. Atlantic salmon marking database for New England; marked fish released in 2004 .

Marking Agency	Age	Life Stage	H/W	Stock Origin	Primary Mark or Tag	Number Marked	Secondary Mark or Tag	Release Date	Release Location
NAI	4	Adult	W	Connecticut	RAD	4	VIE	May	Connecticut
NAI	5	Adult	W	Connecticut	RAD	1	VIE	May	Connecticut
NAI	4	Adult	W	Connecticut	RAD	1	VIE	June	Connecticut
NAI	2	Smolt	H	Connecticut	FLOY	1,242		June	Connecticut
NAI	2	Smolt	H	Connecticut	RAD	214		June	Connecticut
USFWS	2	Smolt	H	Connecticut	AD	47,735		April	Connecticut
USFWS	2	Smolt	H	Connecticut	AD	47,236		Mar	Connecticut
USGS	0	Parr	W	Connecticut	PIT	467		Sept	Connecticut
USGS	1	Parr	W	Connecticut	PIT	459	VIE	Oct	Connecticut
ASC	1	Parr	W	Dennys	PIT	69		Various	Dennys
NOAA	0	Parr	H	Dennys	VIE	173	AD	April	Dennys
NOAA	0	Parr	H	Dennys	RV	44,000		Oct	Dennys
NOAA	1	Smolt	H	Dennys	VIE	30,000	AD	April	Dennys
NOAA	1	Smolt	H	Dennys	VIE	30,000	AD	May	Dennys
USFWS	3	Adult	H	Dennys	PIT	202		Oct	Dennys
USFWS	5	Adult	H	Dennys	PIT	36		Dec	Dennys
USFWS	6	Adult	H	Dennys	PIT	60		Dec	Dennys
USFWS	5	Adult	H	East Machias	PIT	97		Dec	East Machia
USFWS	3	Adult	H	Machias	PIT	100		Oct	Machias
USFWS	5	Adult	H	Machias	PIT	193		Dec	Machias
NHFG	3	Adult	H	Merrimack	FLOY	297		Oct	Merrimack
NHFG	2	Adult	H	Merrimack	FLOY	724		June	Merrimack
USFWS	4	Adult	H	Narraguagus	PIT	96		Dec	Narraguagu
USFWS	5	Adult	H	Narraguagus	PIT	195		Dec	Narraguagu
ASC	varied	Adult	H	Penobscot	PIT	530		Nov	Penobscot

Marking Agency	Age	Life Stage	H/W	Stock Origin	Primary Mark or Tag	Number Marked	Secondary Mark or Tag	Release Date	Release Location
ASC	varied	Adult	H	Penobscot	PIT	709	AP	Various	Penobscot
NOAA	0	Parr	H	Penobscot	LV	37,000		Sept	Penobscot
NOAA	0	Parr	H	Penobscot	LV	32,000	AD	Sept	Penobscot
NOAA	0	Parr	H	Penobscot	RV	27,000	AD	Oct	Penobscot
NOAA	0	Parr	H	Penobscot	LV	43,000		Oct	Penobscot
NOAA	1	Smolt	H	Penobscot	VIE	4,000	AD	April	St Croix
NOAA	1	Smolt	H	Penobscot	VIE	50,060	AD	May	Penobscot
NOAA	1	Smolt	H	Penobscot	VIE	158,000	AD	April	Penobscot
PSNH	1	Smolt	H	Penobscot	RAD	83		May	Merrimack
SRSC	1	Smolt	H	Penobscot	LV	2,700		Various	Saco
SRSC	1	Smolt	H	Penobscot	RV	2,700		Various	Saco
USFWS	3	Adult	H	Penobscot	AP	383		Dec	Penobscot
USFWS	4	Adult	H	Penobscot	AP	579		Dec	Penobscot
NOAA	2	Smolt	H	Pleasant	VIE	9,000	AD	May	Pleasant
USFWS	5	Adult	H	Pleasant	PIT	101		Dec	Pleasant
USFWS	5	Adult	H	Sheepscot	PIT	116		Dec	Sheepscot
SCIWC	0	Parr	H	St Croix	3RANL	3,000	AD	Oct	St Croix

TAG/MARK CODES: AD = adipose clip; RAD = radio tag; AP = adipose punch; RV = RV Clip; BAL = Balloon tag; VIA = visible implant, alphanumeric; CAL = Calcein immersion; VIE = visible implant elastomer; FLOY = floy tag; VIEAC = visible implant elastomer and anal clip; DYE = MetaJet Dye; PIT = PIT tag; VPP = VIE tag, PIT tag, and ultrasonic pinger; PTC = PIT tag and Carlin tag; VPT = VIE tag and PIT tag; ANL = anal clip/punch.

Table 9.2. Grand Summary of Atlantic Salmon marking data for New England; marked fish released in 2004.

Origin	Total External Marks	Total Adipose Clips	Total Marked
Hatchery Adult	2,692		4,418
Hatchery Juvenile	568,846	438,204	569,143
Wild Adult	6		6
Wild Juvenile	459		995

Table 10. Documented Atlantic salmon returns to New England rivers in 2004.

	1SW		2SW		3SW		Repeat			2000-2004
	Hatchery	Wild	Hatchery	Wild	Hatchery	Wild	Hatchery	Wild	Total	Average
Androscoggin	3	0	7	1	0	0	0	0	**11**	5
Connecticut	0	5	0	64	0	0	0	0	**69**	55
Dennys	0	0	1	0	0	0	0	0	**1**	7
Merrimack	17	2	92	15	2	0	0	0	**128**	99
Narraguagus	0	1	1	9	0	0	0	0	**11**	19
Pawcatuck	0	0	0	1	0	0	0	0	**1**	1
Penobscot	276	5	952	59	10	3	16	2	**1323**	907
Pleasant	0	0	0	1	0	0	0	0	**1**	3
Saco	3	2	10	4	0	0	0	0	**19**	45
Union	0	0	1	1	0	0	0	0	**2**	2
Total	**299**	**15**	**1,064**	**155**	**12**	**3**	**16**	**2**	**1,566**	**1,142**

Table 11. Summary of Atlantic salmon green egg production in Hatcheries for New England rivers in 2004.

Source River	Origin	Females Spawned	Total Egg Production
Connecticut	Domestic	1875	11,750,000
Merrimack	Domestic	229	811,000
Penobscot	Domestic	477	1,200,000
Dennys	Captive	88	380,000
East Machias	Captive	65	252,000
Machias	Captive	120	613,000
Narraguagus	Captive	119	453,000
Pleasant	Captive	23	179,000
Sheepscot	Captive	78	308,000
Total	**Captive/Domestic**	**3,074**	**15,946,000**
Connecticut	Kelt	53	489,000
Merrimack	Kelt	42	48,000
Total	**Kelt**	**95**	**537,000**
Connecticut	Sea Run	37	280,000
Merrimack	Sea Run	59	494,000
Penobscot	Sea Run	353	3,229,000
Total	**Sea Run**	**449**	**4,003,000**
Grand Total for Year	**2004**	**3,618**	**20,486,000**

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Table 12. Summary of Atlantic salmon egg production in New England facilities.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
Cocheco															
1993-1994	3	21,000	7,100	0	0		0	0		0	0		3	21,000	7,100
Total Cocheco	3	21,000	7,100	0	0	0	0	0		0	0		3	21,000	7,100
Connecticut															
1977-1994	716	10,956,000	8,300	3,521	35,195,000	6,000	0	0		577	10,242,000	10,200	4,814	56,393,000	6,900
1995	101	946,000	9,400	1,258	7,555,000	6,000	0	0		183	2,159,000	11,800	1,542	10,660,000	6,900
1996	115	938,000	8,200	1,732	11,845,000	6,800	0	0		206	2,221,000	10,800	2,053	15,004,000	7,300
1997	110	771,000	7,000	1,809	11,602,000	6,400	0	0		188	2,003,000	10,700	2,107	14,376,000	6,800
1998	185	1,452,000	7,900	1,140	7,030,000	6,200	0	0		156	1,494,000	9,600	1,481	9,976,000	6,700
1999	83	622,000	7,500	1,862	11,173,000	6,000	0	0		193	1,813,000	9,400	2,138	13,608,000	6,400
2000	49	300,000	6,100	2,471	12,200,000	4,900	0	0		142	1,350,000	9,500	2,662	13,850,000	5,200
2001	20	162,000	8,100	1,955	9,870,000	5,000	0	0		102	1,003,000	9,800	2,077	11,036,000	5,300
2002	25	181,000	7,300	1,974	10,826,000	5,500	0	0		83	827,000	10,000	2,082	11,835,000	5,700
2003	34	245,000	7,200	2,152	11,600,000	5,400	0	0		67	660,000	9,800	2,253	12,505,000	5,600
2004	37	280,000	7,600	1,875	11,750,000	6,300	0	0		53	489,000	9,200	1,965	12,519,000	6,400
Total Connecticut	1,475	16,853,000	7,700	21,749	140,646,000	5,900	0	0		1,950	24,261,000	10,100	25,174	181,762,000	6,300
Dennys															
1939-1994	22	185,000	7,700	0	0		56	110,000	2,000	8	39,000	4,700	86	334,000	6,300
1995	0	0		0	0		105	304,000	2,900	5	34,000	6,800	110	338,000	3,100
1996	4	29,000	7,200	0	0		86	311,000	3,600	3	29,000	9,700	93	369,000	4,000
1997	0	0		0	0		113	430,000	3,800	7	64,000	9,200	120	494,000	4,100
1998	0	0		0	0		79	338,000	4,300	10	106,000	10,600	89	443,000	5,000

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
1999	0	0		0	0		48	249,000	5,200	7	58,000	8,200	55	306,000	5,600
2000	0	0		0	0		64	283,000	4,400	0	0		64	283,000	4,400
2001	0	0		0	0		82	359,000	4,400	0	0		82	359,000	4,400
2002	0	0		0	0		68	352,000	5,200	0	0		68	352,000	5,200
2003	0	0		0	0		79	438,000	5,500	0	0		79	438,000	5,500
2004	0	0		0	0		88	380,000	4,300	0	0		88	380,000	4,300
Total Dennys	26	214,000	7,400	0	0	0	868	3,554,000	4,145	40	330,000	8,200	934	4,096,000	4,700
East Machias															
1995	0	0		0	0		65	144,000	2,200	0	0		65	144,000	2,200
1996	0	0		0	0		96	221,000	2,300	0	0		96	221,000	2,300
1997	0	0		0	0		111	394,000	3,500	0	0		111	394,000	3,500
1998	0	0		0	0		103	362,000	3,500	0	0		103	362,000	3,500
1999	0	0		0	0		57	296,000	5,200	0	0		57	296,000	5,200
2000	0	0		0	0		68	394,000	5,800	0	0		68	394,000	5,800
2001	0	0		0	0		67	400,000	6,000	0	0		67	400,000	6,000
2002	0	0		0	0		92	466,000	5,100	0	0		92	466,000	5,100
2003	0	0		0	0		93	456,000	4,900	0	0		93	456,000	4,900
2004	0	0		0	0		65	252,000	3,900	0	0		65	252,000	3,900
Total East Machias	0	0		0	0	0	817	3,385,000	4,240	0	0		817	3,385,000	4,200
Kennebec															
1979-1994	5	50,000	10,000	0	0		0	0		0	0		5	50,000	10,000
Total Kennebec	5	50,000	10,000	0	0	0	0	0		0	0		5	50,000	10,000
Lamprey															

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
1992-1994	6	32,000	4,800	0	0		0	0		0	0		6	32,000	4,800
Total Lamprey	6	32,000	4,800	0	0	0	0	0		0	0		6	32,000	4,800
Machias															
1941-1994	456	3,263,000	7,300	0	0		88	196,000	2,200	2	12,000	5,800	546	3,470,000	7,100
1995	0	0		0	0		171	484,000	2,800	4	28,000	6,900	175	512,000	2,900
1996	0	0		0	0		141	513,000	3,600	2	13,000	6,400	143	526,000	3,700
1997	0	0		0	0		176	603,000	3,400	0	0		176	603,000	3,400
1998	0	0		0	0		166	548,000	3,300	0	0		166	548,000	3,300
1999	0	0		0	0		121	550,000	4,500	0	0		121	550,000	4,500
2000	0	0		0	0		110	417,000	3,800	0	0		110	417,000	3,800
2001	0	0		0	0		108	672,000	6,200	0	0		108	672,000	6,200
2002	0	0		0	0		111	533,000	4,800	0	0		111	533,000	4,800
2003	0	0		0	0		121	763,000	6,300	0	0		121	763,000	6,300
2004	0	0		0	0		120	613,000	5,100	0	0		120	613,000	5,100
Total Machias	456	3,263,000	7,300	0	0	0	1,433	5,892,000	4,182	8	53,000	6,400	1,897	9,207,000	4,600
Merrimack															
1983-1994	719	5,165,000	7,200	3,144	17,818,000	5,400	0	0		0	0		3,863	22,983,000	6,800
1995	24	188,000	7,800	694	4,353,000	6,300	0	0		0	0		718	4,541,000	6,300
1996	31	212,000	6,900	912	5,469,000	6,000	0	0		0	0		943	5,682,000	6,000
1997	31	284,000	9,200	754	4,642,000	6,200	0	0		0	0		785	4,926,000	6,300
1998	63	518,000	8,200	560	2,669,000	4,800	0	0		5	64,000	12,900	628	3,252,000	5,200
1999	88	737,000	8,400	520	2,659,000	5,100	0	0		50	540,000	10,800	658	3,935,000	6,000
2000	38	311,000	8,200	596	2,625,000	4,400	0	0		62	748,000	12,100	696	3,683,000	5,300
2001	37	296,000	8,000	726	2,585,000	3,600	0	0		22	294,000	13,400	785	3,176,000	4,000

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
2002	16	232,000	14,500	361	1,816,000	5,000	0	0		21	232,000	11,000	398	2,279,000	5,700
2003	60	499,000	8,300	489	1,914,000	3,900	0	0		20	236,000	11,800	569	2,649,000	4,700
2004	59	494,000	8,400	229	811,000	3,500	0	0		42	48,000	1,200	330	1,353,000	4,100
Total Merrimack	1,166	8,936,000	8,600	8,985	47,361,000	4,900	0	0		222	2,162,000	10,500	10,373	58,459,000	5,500
Narraguagus															
1962-1994	0	1,303,000		0	0		59	146,000	2,500	0	0		59	1,449,000	2,500
1995	0	0		0	0		115	394,000	3,400	0	0		115	394,000	3,400
1996	0	0		0	0		117	434,000	3,700	0	0		117	434,000	3,700
1997	0	0		0	0		172	517,000	3,000	0	0		172	517,000	3,000
1998	0	0		0	0		186	490,000	2,600	0	0		186	490,000	2,600
1999	0	0		0	0		134	542,000	4,000	0	0		134	542,000	4,000
2000	0	0		0	0		137	432,000	3,200	0	0		137	432,000	3,200
2001	0	0		0	0		93	404,000	4,300	0	0		93	404,000	4,300
2002	0	0		0	0		159	704,000	4,400	0	0		159	704,000	4,400
2003	0	0		0	0		120	624,000	5,200	0	0		120	624,000	5,200
2004	0	0		0	0		119	453,000	3,800	0	0		119	453,000	3,800
Total Narraguagus	0	1,303,000		0	0	0	1,411	5,140,000	3,645	0	0		1,411	6,443,000	3,600
Orland															
1967-1994	39	270,000	7,300	0	0		0	0		0	0		39	270,000	7,300
Total Orland	39	270,000	7,300	0	0	0	0	0		0	0		39	270,000	7,300
Pawcatuck															
1992-1994	6	50,000	7,900	0	0		0	0		0	0		6	50,000	7,900
1996	1	17,000	16,900	0	0		0	0		0	0		1	17,000	16,900

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
1997	1	8,000	8,200	0	0		0	0		0	0		1	8,000	8,200
1999	6	61,000	10,200	0	0		0	0		0	0		6	61,000	10,200
2000	0	0		0	0		0	0		5	43,000	8,600	5	43,000	8,600
2001	0	0		2	2,000	1,100	0	0		1	8,000	7,800	3	10,000	3,300
2002	0	0		0	0		0	0		3	10,000	3,300	3	10,000	3,300
2003	2	6,000	3,100	0	0		0	0		0	0		2	6,000	3,100
Total Pawcatuck	16	142,000	9,300	2	2,000	1,100	0	0		9	61,000	6,600	27	205,000	7,700
Penobscot															
1871-1994	15,120	131,633,000	7,900	2,145	5,465,000	2,500	0	0		0	0		17,265	137,098,000	7,700
1995	380	2,736,000	7,200	0	0		0	0		0	0		380	2,736,000	7,200
1996	380	2,635,000	6,900	0	0		0	0		0	0		380	2,635,000	6,900
1997	313	2,225,000	7,100	639	1,381,000	2,200	0	0		0	0		952	3,606,000	3,800
1998	392	2,804,000	7,200	560	1,456,000	2,600	0	0		0	0		952	4,260,000	4,500
1999	286	2,418,000	8,500	371	1,300,000	3,500	0	0		0	0		657	3,719,000	5,700
2000	196	1,559,000	8,000	540	1,334,000	2,500	0	0		0	0		736	2,893,000	3,900
2001	282	2,451,000	8,700	453	1,206,000	2,700	0	0		0	0		735	3,657,000	5,000
2002	218	2,001,000	9,200	484	1,300,000	2,700	0	0		0	0		702	3,301,000	4,700
2003	362	3,194,000	8,800	0	0		0	0		0	0		362	3,194,000	8,800
2004	353	3,229,000	9,100	477	1,200,000	2,500	0	0		0	0		830	4,429,000	5,300
Total Penobscot	18,282	156,885,000	8,100	5,669	14,642,000	2,600	0	0		0	0		23,951	171,528,000	5,800
Pleasant															
2001	0	0		0	0		13	46,000	3,500	0	0		13	46,000	3,500
2002	0	0		0	0		19	84,000	4,400	0	0		19	84,000	4,400
2003	0	0		0	0		11	92,000	8,300	0	0		11	92,000	8,300

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
2004	0	0		0	0		23	179,000	7,800	0	0		23	179,000	7,800
Total Pleasant	0	0		0	0	0	66	401,000	6,000	0	0		66	401,000	6,000
Presumpscot															
2004	0	0		0	0		0	0		0	0		0	0	
Total Presumpscot	0	0		0	0	0	0	0		0	0		0	0	
Sheepscot															
1995	11	78,000	7,100	0	0		22	44,000	2,000	0	0		33	123,000	3,700
1996	7	47,000	6,700	0	0		36	66,000	1,800	7	66,000	9,400	50	179,000	3,600
1997	0	0		0	0		75	257,000	3,400	13	118,000	9,100	88	376,000	4,300
1998	0	0		0	0		98	343,000	3,500	17	162,000	9,500	115	505,000	4,400
1999	0	0		0	0		49	218,000	4,500	8	92,000	11,500	57	310,000	5,400
2000	0	0		0	0		60	246,000	4,100	0	0		60	246,000	4,100
2001	0	0		0	0		56	351,000	6,300	0	0		56	351,000	6,300
2002	0	0		0	0		100	455,000	4,600	0	0		100	455,000	4,600
2003	0	0		0	0		92	433,000	4,700	0	0		92	433,000	4,700
2004	0	0		0	0		78	308,000	3,900	0	0		78	308,000	3,900
Total Sheepscot	18	125,000	6,900	0	0	0	666	2,721,000	3,880	45	438,000	9,900	729	3,286,000	4,500
St Croix															
1993-1994	26	194,000	7,400	0	0		0	0		0	0		26	194,000	7,400
1995	10	77,000	7,700	0	0		0	0		0	0		10	77,000	7,700
2003	3	21,000	6,900	0	0		0	0		0	0		3	21,000	6,900
Total St Croix	39	292,000	7,300	0	0	0	0	0		0	0		39	292,000	7,300
Union															

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Year	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
1974-1994	600	4,611,000	7,900	0	0		0	0		0	0		600	4,611,000	7,900
2003	0	0		0	0		0	0		0	0		0	0	
Total Union	600	4,611,000	7,900	0	0	0	0	0		0	0		600	4,611,000	7,900

Captive refers to adults produced from wild parr that were captured and reared to maturity in the hatchery.

Note: Totals of eggs/female includes only the years for which information on number of females is available. It is a simple ratio of eggs/female and should not be used as an age specific fecundity measure because this can vary with age composition and broodstock type.

Note: Connecticut data are preliminary prior to 1990.

Table 13. Summary of all historical Atlantic salmon egg production in hatcheries for New England rivers.

	Sea-Run			Domestic			Captive			Kelt			TOTAL		
	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female	No. females	Egg production	Eggs/ female
Cocheco	3	21,000	7,100	0	0		0	0		0	0		3	21,000	7,100
Connecticut	1,475	16,853,000	11,400	21,749	140,646,000	6,500	0	0		1,950	24,262,000	12,400	25,174	181,761,000	7,200
Dennys	26	214,000	8,200	0	0		868	3,552,000	4,100	40	330,000	8,300	934	4,096,000	4,400
East Machias	0	0		0	0		817	3,385,000	4,100	0	0		817	3,385,000	4,100
Kennebec	5	50,000	10,000	0	0		0	0		0	0		5	50,000	10,000
Lamprey	6	32,000	5,300	0	0		0	0		0	0		6	32,000	5,300
Machias	456	3,263,000	7,200	0	0		1,433	5,890,000	4,100	8	52,000	6,500	1,897	9,205,000	4,900
Merrimack	1,166	8,935,000	7,700	8,985	47,361,000	5,300	0	0		222	2,161,000	9,700	10,373	58,458,000	5,600
Narraguagus	0	1,303,000		0	0		1,411	5,140,000	3,600	0	0		1,411	6,443,000	4,600
Orland	39	270,000	6,900	0	0		0	0		0	0		39	270,000	6,900
Pawcatuck	16	143,000	8,900	2	2,000	1,100	0	0		9	61,000	6,800	27	206,000	7,600
Penobscot	18,282	156,885,000	8,600	5,669	14,643,000	2,600	0	0		0	0		23,951	171,528,000	7,200
Pleasant	0	0		0	0		66	401,000	6,100	0	0		66	401,000	6,100
Presumpscot	0	0		0	0		0	0		0	0		0	0	#Error
Sheepscot	18	125,000	7,000	0	0		666	2,722,000	4,100	45	438,000	9,700	729	3,285,000	4,500
St Croix	39	291,000	7,500	0	0		0	0		0	0		39	291,000	7,500
Union	600	4,611,000	7,700	0	0		0	0		0	0		600	4,611,000	7,700
Grand Total	**22,131**	**192,996,000**	**8,700**	**36,405**	**202,652,000**	**5,600**	**5,261**	**21,090,000**	**4,000**	**2,274**	**27,304,000**	**12,000**	**66,071**	**444,043,000**	**6,700**

Table 14. Atlantic salmon stocking summary for New England, by river.

	Number of fish stocked by life stage					
	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
Androscoggin						
2001	3,000	0	0	0	0	3,000
2002	0	0	0	0	0	0
2003	1,000	0	0	0	0	1,000
2004	2,000	0	0	0	0	2,000
Totals:Androscoggin	**6,000**	**0**	**0**	**0**	**0**	**6,000**
Aroostook						
1978-1994	624,000	317,100	38,600	32,600	29,800	1,042,100
1995	4,000	0	0	0	0	4,000
1996	0	0	0	0	0	0
1997	578,000	0	0	0	0	578,000
1998	142,000	0	0	0	0	142,000
1999	163,000	0	0	0	0	163,000
2000	0	0	0	0	0	0
2001	182,000	300	0	0	0	182,300
2002	122,000	0	0	0	0	122,000
2003	138,000	0	0	0	0	138,000
2004	169,000	0	0	0	0	169,000
Totals:Aroostook	**2,122,000**	**317,400**	**38,600**	**32,600**	**29,800**	**2,540,400**
Cocheco						
1988-1994	682,000	50,000	10,500	5,300	0	747,800
1995	114,000	0	0	0	0	114,000
1996	126,000	0	0	0	0	126,000
1997	128,000	0	0	0	0	128,000
1998	96,000	0	0	0	0	96,000
1999	157,000	0	0	0	0	157,000
2000	146,000	0	0	0	0	146,000
2001	165,000	0	0	0	0	165,000
2002	181,000	0	0	0	0	181,000
2003	163,000	0	0	0	0	163,000
Totals:Cocheco	**1,958,000**	**50,000**	**10,500**	**5,300**	**0**	**2,023,800**
Connecticut						
1967-1994	21,915,000	2,794,900	1,799,000	3,729,300	963,200	31,201,400
1995	6,817,000	4,500	0	1,300	0	6,822,800
1996	6,677,000	12,400	3,600	11,500	0	6,704,500
1997	8,526,000	8,800	0	1,400	0	8,536,200
1998	9,119,000	3,000	7,700	1,700	0	9,131,400
1999	6,428,000	1,000	0	22,600	0	6,451,600
2000	9,325,000	600	0	700	48,200	9,374,500
2001	9,591,000	1,600	0	700	0	9,593,300
2002	7,283,000	700	0	500	0	7,284,200
2003	7,038,000	0	0		90,100	
2004	7,683,000	3,100	2,500	0	96,400	7,785,000
Totals:Connecticut	**100,402,000**	**2,830,600**	**1,812,800**	**3,769,700**	**1,197,900**	**102,884,900**
Dennys						

	Number of fish stocked by life stage					
	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
1975-1994	184,000	8,300	3,400	143,100	28,300	367,100
1995	84,000	0	0	0	0	84,000
1996	142,000	0	0	0	900	142,900
1997	213,000	0	0	0	0	213,000
1998	233,000	10,400	0	9,600	0	253,000
1999	172,000	3,000	0	0	0	175,000
2000	96,000	30,500	0	0	0	126,500
2001	59,000	16,500	1,400	49,800	0	126,700
2002	84,000	33,000	1,900	49,000	0	167,900
2003	133,000	30,400	600	55,200	0	219,200
2004	219,000	44,000	0	56,300	0	319,300
Totals:Dennys	**1,619,000**	**176,100**	**7,300**	**363,000**	**29,200**	**2,194,600**
Ducktrap						
1986-1994	68,000	0	0	0	0	68,000
1995	0	0	0	0	0	0
1996	0	0	0	0	0	0
1997	0	0	0	0	0	0
1998	0	0	0	0	0	0
1999	0	0	0	0	0	0
2000	0	0	0	0	0	0
2001	0	0	0	0	0	0
2002	0	0	0	0	0	0
2003	0	0	0	0	0	0
2004	0	0	0	0	0	0
Totals:Ducktrap	**68,000**	**0**	**0**	**0**	**0**	**68,000**
East Machias						
1973-1994	140,000	6,500	42,600	97,600	30,400	317,100
1995	0	0	0	0	0	0
1996	115,000	0	0	0	0	115,000
1997	113,000	0	0	0	0	113,000
1998	190,000	0	0	10,800	0	200,800
1999	210,000	1,000	0	0	0	211,000
2000	197,000	0	0	0	0	197,000
2001	242,000	0	0	0	0	242,000
2002	236,000	0	0	0	0	236,000
2003	314,000	0	0	0	0	314,000
2004	319,000	0	0	0	0	319,000
Totals:East Machias	**2,076,000**	**7,500**	**42,600**	**108,400**	**30,400**	**2,264,900**
Kennebec						
2001	3,000	0	0	0	0	3,000
2002	7,000	0	0	0	0	7,000
2003	42,000	0	0	0	0	42,000
2004	52,000	0	0	0	0	52,000
Totals:Kennebec	**104,000**	**0**	**0**	**0**	**0**	**104,000**
Lamprey						
1978-1994	599,000	280,700	49,100	133,300	32,800	1,094,900
1995	91,000	57,100	0	4,800	0	152,900
1996	115,000	37,000	9,400	0	0	161,400

	Number of fish stocked by life stage					
	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
1997	141,000	52,900	0	0	0	193,900
1998	95,000	0	0	3,300	0	98,300
1999	127,000	0	0	0	0	127,000
2000	104,000	0	0	0	0	104,000
2001	111,000	0	300	0	0	111,300
2002	103,000	0	0	60,000	0	163,000
2003	106,000	0	0	0	0	106,000
Totals:Lamprey	**1,592,000**	**427,700**	**58,800**	**201,400**	**32,800**	**2,312,700**
Machias						
1970-1994	239,000	86,900	117,800	180,500	42,200	666,400
1995	150,000	0	0	0	0	150,000
1996	233,000	0	0	0	1,900	234,900
1997	236,000	0	0	0	0	236,000
1998	300,000	5,900	0	10,800	0	316,700
1999	169,000	1,000	0	0	0	170,000
2000	209,000	0	0	0	0	209,000
2001	267,000	0	0	0	0	267,000
2002	327,000	0	0	0	0	327,000
2003	341,000	0	300	0	0	341,300
2004	379,000	3,100	0	0	0	382,100
Totals:Machias	**2,850,000**	**96,900**	**118,100**	**191,300**	**44,100**	**3,300,400**
Merrimack						
1975-1994	13,112,000	222,500	556,100	935,800	630,500	15,456,900
1995	2,827,000	0	12,700	70,800	0	2,910,500
1996	1,795,000	0	4,900	50,000	0	1,849,900
1997	2,000,000	5,000	10,000	52,500	5,400	2,072,900
1998	2,589,000	0	6,800	51,900	0	2,647,700
1999	1,756,000	0	4,400	56,400	0	1,816,800
2000	2,217,000	0	0	52,500	0	2,269,500
2001	1,708,000	0	0	49,500	0	1,757,500
2002	1,414,000	0	1,900	50,000	1,200	1,467,100
2003	1,335,000	0	900	49,600	1,000	1,386,500
2004	1,556,000	3,700	0	50,000	0	1,609,700
Totals:Merrimack	**32,309,000**	**231,200**	**597,700**	**1,469,000**	**638,100**	**35,245,000**
Narraguagus						
1970-1994	74,000	30,300	12,600	106,100	84,000	307,000
1995	105,000	0	0	0	0	105,000
1996	196,000	0	0	0	0	196,000
1997	209,000	0	2,000	700	0	211,700
1998	274,000	14,400	0	0	0	288,400
1999	155,000	18,200	0	1,000	0	174,200
2000	252,000	0	0	0	0	252,000
2001	353,000	0	0	0	0	353,000
2002	261,000	0	0	0	0	261,000
2003	491,000	0	0	0	0	491,000
2004	468,000	0	0	0	0	468,000
Totals:Narraguagus	**2,838,000**	**62,900**	**14,600**	**107,800**	**84,000**	**3,107,300**
Pawcatuck						

	Number of fish stocked by life stage					
	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
1979-1994	1,103,000	1,020,900	234,500	30,500	500	2,389,400
1995	367,000	52,200	0	0	0	419,200
1996	289,000	136,100	0	5,000	0	430,100
1997	100,000	0	14,000	11,500	0	125,500
1998	910,000	0	14,700	5,700	0	930,400
1999	591,000	0	0	3,900	0	594,900
2000	326,000	0	0	0	0	326,000
2001	423,000	0	0	8,500	0	431,500
2002	403,000	0	0	0	0	403,000
2003	313,000	0	0	5,200	0	318,200
2004	557,000	0	0	6,100	0	563,100
Totals:Pawcatuck	**5,382,000**	**1,209,200**	**263,200**	**76,400**	**500**	**6,931,300**
Penobscot						
1970-1994	5,927,000	1,232,700	1,345,500	7,099,100	2,508,200	18,112,500
1995	502,000	325,000	5,600	568,400	0	1,401,000
1996	1,242,000	226,000	17,500	552,200	0	2,037,700
1997	1,472,000	310,900	4,200	580,200	0	2,367,300
1998	930,000	337,400	13,400	571,800	0	1,852,600
1999	1,498,000	229,600	1,500	567,300	0	2,296,400
2000	513,000	288,800	700	563,200	0	1,365,700
2001	364,000	235,800	2,100	454,000	0	1,055,900
2002	746,000	396,700	1,800	547,000	0	1,691,500
2003	741,000	320,700	2,100	547,300	0	1,611,100
2004	1,812,000	369,200	0	566,000	0	2,747,200
Totals:Penobscot	**15,747,000**	**4,272,800**	**1,394,400**	**12,616,500**	**2,508,200**	**36,538,900**
Pleasant						
1975-1994	187,000	2,500	1,800	54,700	18,100	264,100
1995	0	0	0	0	0	0
1996	0	0	0	0	0	0
1997	0	0	0	0	0	0
1998	0	0	0	0	0	0
1999	0	0	0	0	0	0
2000	0	0	0	0	0	0
2001	0	0	0	0	0	0
2002	0	13,500	0	0	0	13,500
2003	82,000	0	0	2,800	0	84,800
2004	47,000	0	0	0	8,800	55,800
Totals:Pleasant	**316,000**	**16,000**	**1,800**	**57,500**	**26,900**	**418,200**
Saco						
1975-1994	669,000	165,200	201,200	203,500	9,500	1,248,400
1995	376,000	0	0	19,700	0	395,700
1996	0	45,000	0	20,000	0	65,000
1997	97,000	63,300	0	20,200	0	180,500
1998	429,000	50,000	0	21,300	0	500,300
1999	688,000	47,000	0	20,100	0	755,100
2000	599,000	48,200	0	22,600	0	669,800
2001	479,000	0	0	400	0	479,400
2002	597,000	0	0	4,100	0	601,100

	Number of fish stocked by life stage					
	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
2003	501,000	20,000	0	3,200	0	524,200
2004	375,000	0	0	5,400	0	380,400
Totals:Saco	**4,810,000**	**438,700**	**201,200**	**340,500**	**9,500**	**5,799,900**
Sheepscot						
1971-1994	159,000	70,800	20,600	92,200	7,100	349,700
1995	0	0	0	0	0	0
1996	102,000	0	0	0	0	102,000
1997	64,000	0	0	0	0	64,000
1998	256,000	9,300	0	0	0	265,300
1999	302,000	4,700	0	0	0	306,700
2000	211,000	0	0	0	0	211,000
2001	171,000	0	0	0	0	171,000
2002	172,000	0	0	0	0	172,000
2003	323,000	0	0	0	0	323,000
2004	298,000	15,600	0	0	0	313,600
Totals:Sheepscot	**2,058,000**	**100,400**	**20,600**	**92,200**	**7,100**	**2,278,300**
St Croix						
1981-1994	1,259,000	303,400	158,100	731,600	20,100	2,472,200
1995	1,000	0	0	0	0	1,000
1996	0	52,100	0	15,600	0	67,700
1997	1,000	400	0	0	0	1,400
1998	2,000	31,700	200	0	0	33,900
1999	1,000	22,500	0	21,300	0	44,800
2000	1,000	19,000	0	20,000	0	40,000
2001	1,000	6,300	0	8,100	0	15,400
2002	1,000	15,400	0	4,100	0	20,500
2003	1,000	16,800	0	3,200	0	21,000
2004	0	2,800	0	4,100	0	6,900
Totals:St Croix	**1,268,000**	**470,400**	**158,300**	**808,000**	**20,100**	**2,724,800**
Union						
1971-1994	81,000	111,700	0	379,700	251,000	823,400
1995	0	54,800	0	0	0	54,800
1996	0	53,500	0	0	0	53,500
1997	12,000	69,300	0	0	0	81,300
1998	165,000	0	0	0	0	165,000
1999	165,000	82,100	0	0	0	247,100
2000	0	0	0	0	0	0
2001	2,000	0	0	0	0	2,000
2002	5,000	0	0	0	0	5,000
2003	3,000	0	0	0	0	3,000
2004	3,000	0	0	0	0	3,000
Totals:Union	**436,000**	**371,400**	**0**	**379,700**	**251,000**	**1,438,100**
Upper StJohn						
1979-1994	2,165,000	1,456,700	14,700	5,100	27,700	3,669,200
1995	0	0	0	0	0	0
1996	0	0	0	0	0	0
1997	0	0	0	0	0	0
1998	0	0	0	0	0	0

	Number of fish stocked by life stage					
	Fry	**0 Parr**	**1 Parr**	**1 Smolt**	**2 Smolt**	**Total**
1999	0	0	0	0	0	0
2000	0	0	0	0	0	0
2001	0	0	0	0	0	0
2002	0	0	0	0	0	0
2003	0	0	0	0	0	0
2004	0	0	0	0	0	0
Totals:Upper StJohn	**2,165,000**	**1,456,700**	**14,700**	**5,100**	**27,700**	**3,669,200**

Table 15. Overall summary of Atlantic salmon stocking for New England, by river.

Totals reflect the entirety of the historical time series for each river.

	Fry	0 Parr	1 Parr	1 Smolt	2 Smolt	Total
Androscoggin	6,000	0	0	0	0	**5,700**
Aroostook	2,122,000	317,400	38,600	32,600	29,800	**2,540,900**
Cocheco	1,958,000	50,000	10,500	5,300	0	**2,024,200**
Connecticut	100,400,000	2,830,600	1,812,800	3,769,700	1,198,000	**102,883,300**
Dennys	1,619,000	176,100	7,300	363,000	29,200	**2,194,700**
Ducktrap	68,000	0	0	0	0	**68,000**
East Machias	2,076,000	7,500	42,600	108,400	30,400	**2,265,000**
Kennebec	104,000	0	0	0	0	**103,900**
Lamprey	1,593,000	427,700	58,800	201,400	32,800	**2,313,700**
Machias	2,850,000	96,900	118,100	191,300	44,100	**3,300,000**
Merrimack	32,309,000	231,200	597,700	1,469,000	638,100	**35,244,500**
Narraguagus	2,838,000	62,900	14,600	107,800	84,000	**3,107,400**
Pawcatuck	5,382,000	1,209,200	263,200	76,400	500	**6,931,000**
Penobscot	15,747,000	4,272,800	1,394,400	12,616,500	2,508,200	**36,538,400**
Pleasant	316,000	16,000	1,800	57,500	26,900	**418,600**
Saco	4,810,000	438,700	201,200	340,500	9,500	**5,799,900**
Sheepscot	2,058,000	100,400	20,600	92,200	7,100	**2,278,400**
St Croix	1,268,000	470,400	158,300	808,000	20,100	**2,725,100**
Union	435,000	371,400	0	379,700	251,000	**1,437,400**
Upper StJohn	2,165,000	1,456,700	14,700	5,100	27,700	**3,669,200**
TOTALS	**180,125,000**	**12,535,900**	**4,755,200**	**20,624,400**	**4,937,400**	**215,849,300**

Summaries for each river vary by length of time series.

Table 16. Documented Atlantic salmon returns to New England rivers.

Documented returns include rod and trap caught fish. Returns are unknown where blanks occur.
Returns from juveniles of hatchery origin include age 0 and 1 parr, and age 1 and 2 smolt releases.
Returns of wild origin include adults produced from natural reproduction and adults produced from fry releases.

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
Androscoggin									
1983-1994	22	468	5	2	4	61	0	1	**563**
1995	2	12	0	0	0	2	0	0	**16**
1996	2	19	1	0	1	16	0	0	**39**
1997	0	0	0	0	0	1	0	0	**1**
1998	0	4	0	0	0	0	0	0	**4**
1999	0	1	0	0	1	3	0	0	**5**
2000	0	3	0	0	0	0	0	0	**3**
2001	1	4	0	0	0	0	0	0	**5**
2002	0	2	0	0	0	0	0	0	**2**
2003	0	3	0	0	0	0	0	0	**3**
2004	3	7	0	0	0	1	0	0	**11**
Total for Androscoggin	30	523	6	2	6	84	0	1	**652**
Cocheco									
1990-1994	0	0	1	1	1	3	0	0	**6**
1995	0	0	0	0	0	1	0	0	**1**
1996	0	0	0	0	2	0	0	0	**2**
1997	0	0	0	0	0	0	0	0	**0**
1998	0	0	0	0	0	0	0	0	**0**
1999	0	0	0	0	2	1	0	0	**3**
2000	0	0	0	0	0	2	0	0	**2**
2001	0	0	0	0	0	0	0	0	**0**
2002	0	0	0	0	0	0	0	0	**0**
2003	0	0	0	0	1	3	0	0	**4**
Total for Cocheco	0	0	1	1	6	10	0	0	**18**
Connecticut									
1969-1994	34	3,199	28	1	8	456	8	0	**3,734**
1995	1	158	0	0	0	29	0	0	**188**
1996	0	143	0	0	5	111	0	1	**260**
1997	0	0	0	1	6	191	1	0	**199**
1998	0	0	0	0	10	288	0	2	**300**
1999	0	0	0	0	11	142	0	1	**154**
2000	0	0	0	0	1	76	0	0	**77**
2001	1	0	0	0	4	34	1	0	**40**

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
2002	0	3	0	0	2	38	1	0	**44**
2003	0	0	0	0	0	42	1	0	**43**
2004	0	0	0	0	5	64	0	0	**69**
Total for Connecticut	36	3,503	28	2	52	1471	12	4	**5,108**
Dennys									
1967-1994	21	294	0	1	19	716	3	10	**1,064**
1995	0	0	0	0	0	5	0	0	**5**
1996	0	0	0	0	3	7	0	0	**10**
1997	0	0	0	0	0	0	0	0	**0**
1998	0	0	0	0	0	1	0	0	**1**
1999									
2000	1	1	0	0	0	1	0	0	**3**
2001	9	2	0	0	1	9	0	0	**21**
2002	2	0	0	0	0	0	0	0	**2**
2003	4	5	0	0	0	1	0	0	**10**
2004	0	1	0	0	0	0	0	0	**1**
Total for Dennys	37	303	0	1	23	740	3	10	**1,117**
Ducktrap									
1985-1994	0	0	0	0	3	30	0	0	**33**
1995									
1996									
1997									
1998									
1999									
2000									
2001									
2002									
2003									
2004									
Total for Ducktrap	0	0	0	0	3	30	0	0	**33**
East Machias									
1967-1994	21	250	1	2	12	329	1	10	**626**
1995									
1996									
1997									
1998									
1999									
2000									
2001									

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
2002									
2003									
2004									
Total for East Machias	21	250	1	2	12	329	1	10	**626**
Kennebec									
1975-1994	12	189	5	1	0	9	0	0	**216**
1995									
1996									
1997									
1998									
1999									
2000									
2001									
2002									
2003									
2004									
Total for Kennebec	12	189	5	1	0	9	0	0	**216**
Lamprey									
1979-1994	10	17	1	0	1	12	0	0	**41**
1995	0	0	0	0	0	1	0	0	**1**
1996	0	0	0	0	0	1	0	0	**1**
1997	0	0	0	0	0	0	0	0	**0**
1998	0	0	0	0	0	0	0	0	**0**
1999	0	0	0	0	6	0	0	0	**6**
2000	0	0	0	0	2	2	0	0	**4**
2001	0	0	0	0	0	0	0	0	**0**
2002	0	0	0	0	0	0	0	0	**0**
2003	0	0	0	0	2	0	0	0	**2**
Total for Lamprey	10	17	1	0	11	16	0	0	**55**
Machias									
1967-1994	32	329	9	2	33	1,592	41	131	**2,169**
1995									
1996									
1997									
1998									
1999									
2000									
2001									
2002									

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
2003									
2004									
Total for Machias	32	329	9	2	33	1592	41	131	**2,169**
Merrimack									
1978-1994	137	653	17	1	77	809	23	0	**1,717**
1995	2	18	0	0	0	14	0	0	**34**
1996	11	44	0	3	3	13	0	2	**76**
1997	9	43	0	4	9	5	0	1	**71**
1998	11	45	1	0	19	47	0	0	**123**
1999	46	65	1	0	9	64	0	0	**185**
2000	26	32	0	0	1	23	0	0	**82**
2001	5	73	0	0	2	3	0	0	**83**
2002	31	17	0	0	1	6	0	0	**55**
2003	12	129	0	0	0	4	0	0	**145**
2004	17	92	2	0	2	15	0	0	**128**
Total for Merrimack	307	1,211	21	8	123	1003	23	3	**2,699**
Narraguagus									
1967-1994	90	624	19	51	48	2,140	68	134	**3,174**
1995	0	0	0	0	0	51	0	5	**56**
1996	1	6	0	0	9	43	0	5	**64**
1997	0	2	0	0	1	30	0	4	**37**
1998	0	0	0	1	1	18	0	2	**22**
1999	0	2	0	0	6	23	0	1	**32**
2000	0	1	0	0	13	8	0	1	**23**
2001	0	2	0	0	5	22	2	1	**32**
2002	0	0	0	1	4	3	0	0	**8**
2003	0	0	0	0	0	21	0	0	**21**
2004	0	1	0	0	1	9	0	0	**11**
Total for Narraguagus	91	638	19	53	88	2368	70	153	**3,480**
Pawcatuck									
1981-1994	1	137	1	0	0	1	0	0	**140**
1995	0	2	0	0	0	0	0	0	**2**
1996	0	2	0	0	0	0	0	0	**2**
1997	0	0	0	0	0	3	0	0	**3**
1998	0	0	0	0	1	2	0	0	**3**
1999	1	6	0	0	0	4	0	0	**11**
2000	0	1	0	0	0	0	0	0	**1**
2001	0	0	0	0	0	0	0	0	**0**
2002	0	0	0	0	0	0	0	0	**0**

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
2003									
2004	0	0	0	0	0	1	0	0	**1**
Total for Pawcatuck	2	148	1	0	1	11	0	0	**163**
Penobscot									
1967-1994	7,965	35,324	201	466	415	2,326	23	65	**46,785**
1995	158	1,077	7	9	6	84	0	1	**1,342**
1996	482	1,187	6	14	13	335	3	5	**2,045**
1997	241	914	4	13	6	174	2	1	**1,355**
1998	240	796	0	10	29	130	1	4	**1,210**
1999	225	568	0	9	46	110	0	10	**968**
2000	166	265	0	15	17	70	0	2	**535**
2001	191	469	0	2	24	98	2	0	**786**
2002	362	344	1	15	14	41	0	2	**779**
2003	196	848	2	3	6	56	0	1	**1,112**
2004	276	952	10	16	5	59	3	2	**1,323**
Total for Penobscot	10,502	42,744	231	572	581	3483	34	93	**58,240**
Pleasant									
1967-1994	5	12	0	0	11	214	2	2	**246**
1995									
1996									
1997	0	0	0	0	0	1	0	0	**1**
1998									
1999									
2000	0	0	0	0	1	2	0	0	**3**
2001	0	0	0	0	1	9	1	0	**11**
2002	0	0	0	0	0	0	0	0	**0**
2003	0	0	0	0	1	1	0	0	**2**
2004	0	0	0	0	0	1	0	0	**1**
Total for Pleasant	5	12	0	0	14	228	3	2	**264**
Saco									
1977-1994	23	324	2	2	0	2	0	0	**353**
1995	0	34	0	0	0	0	0	0	**34**
1996	11	39	1	3	0	0	0	0	**54**
1997	5	23	0	0	0	0	0	0	**28**
1998	9	7	0	0	4	7	1	0	**28**
1999	10	11	0	0	12	31	2	0	**66**
2000	31	14	0	0	0	4	0	0	**49**
2001	15	49	0	0	0	5	0	0	**69**
2002	3	37	0	2	3	2	0	0	**47**

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
2003	2	23	0	0	2	12	0	0	**39**
2004	3	10	0	0	2	4	0	0	**19**
Total for Saco	112	571	3	7	23	67	3	0	**786**
Sheepscot									
1967-1994	6	36	0	0	30	328	10	0	**410**
1995	0	2	0	0	0	22	0	0	**24**
1996	0	0	0	0	0	8	0	0	**8**
1997	0	0	0	0	0	0	0	0	**0**
1998									
1999									
2000									
2001									
2002									
2003									
2004									
Total for Sheepscot	6	38	0	0	30	358	10	0	**442**
St Croix									
1981-1994	605	987	38	12	403	613	39	17	**2,714**
1995	7	15	0	0	8	16	0	0	**46**
1996	13	77	0	0	10	32	0	0	**132**
1997	26	2	0	0	0	0	0	0	**28**
1998	20	3	0	0	12	6	0	0	**41**
1999	1	2	0	0	7	3	0	0	**13**
2000	10	10	0	0	0	0	0	0	**20**
2001	13	7	0	0	0	0	0	0	**20**
2002	14	6	0	0	0	0	0	0	**20**
2003	6	9	0	0	0	0	0	0	**15**
Total for St Croix	715	1,118	38	12	440	670	39	17	**3,049**
Union									
1973-1994	290	1,734	9	24	1	11	0	0	**2,069**
1995									
1996	6	62	0	0	0	1	0	0	**69**
1997	0	8	0	0	0	0	0	0	**8**
1998	2	7	0	4	0	0	0	0	**13**
1999	3	3	0	0	0	3	0	0	**9**
2000	1	1	0	0	0	0	0	0	**2**
2001	0	0	0	0	0	0	0	0	**0**
2002	0	5	0	0	0	0	0	0	**5**
2003	1	0	0	0	0	0	0	0	**1**

	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	**2SW**	**3SW**	**REPEAT**	**1SW**	**2SW**	**3SW**	**REPEAT**	**Total**
2004	0	1	0	0	0	1	0	0	**2**
Total for Union	303	1,821	9	28	1	16	0	0	**2,178**

Table 17. Summary of documented Atlantic salmon returns to New England rivers.

Totals reflect the entirety of the available historical time series for each river. Earliest year of data for Penobscot, Narraguagus, Machias, East Machias, Dennys, and Sheepscot rivers is 1967.

	Grand Total by River								
	HATCHERY ORIGIN				WILD ORIGIN				
	1SW	2SW	3SW	REPEAT	1SW	2SW	3SW	REPEAT	Total
Androscoggin	30	523	6	2	6	84	0	1	**652**
Cocheco	0	0	1	1	6	10	0	0	**18**
Connecticut	36	3,503	28	2	52	1,471	12	4	**5,108**
Dennys	37	303	0	1	23	740	3	10	**1,117**
Ducktrap	0	0	0	0	3	30	0	0	**33**
East Machias	21	250	1	2	12	329	1	10	**626**
Kennebec	12	189	5	1	0	9	0	0	**216**
Lamprey	10	17	1	0	11	16	0	0	**55**
Machias	32	329	9	2	33	1,592	41	131	**2,169**
Merrimack	307	1,211	21	8	123	1,003	23	3	**2,699**
Narraguagus	91	638	19	53	88	2,368	70	153	**3,480**
Pawcatuck	2	148	1	0	1	11	0	0	**163**
Penobscot	10,502	42,744	231	572	581	3,483	34	93	**58,240**
Pleasant	5	12	0	0	14	228	3	2	**264**
Saco	112	571	3	7	23	67	3	0	**786**
Sheepscot	6	38	0	0	30	358	10	0	**442**
St Croix	715	1,118	38	12	440	670	39	17	**3,049**
Union	303	1,821	9	28	1	16	0	0	**2,178**

Table 18.1: Return rates for Atlantic salmon that were stocked as fry in the Connecticut (above Holyoke) River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1974	16	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	32	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	27	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	50	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	50	7	1.400	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1979	24	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	89	18	2.022	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1981	151	19	1.261	0	0	0	11	89	0	0	0	0	0	0	11	89	0	0
1982	128	31	2.429	0	0	0	0	90	10	0	0	0	0	0	0	90	10	0
1983	70	1	0.143	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0
1984	455	1	0.022	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0
1985	286	35	1.224	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1986	97	27	2.791	0	0	0	4	96	0	0	0	0	0	0	4	96	0	0
1987	981	44	0.449	0	16	0	0	68	2	0	14	0	0	0	16	68	16	0
1988	928	92	0.992	0	0	0	0	97	1	0	2	0	0	0	0	97	3	0
1989	747	47	0.629	0	6	0	6	85	0	0	2	0	0	0	13	85	2	0
1990	765	53	0.693	0	13	0	0	87	0	0	0	0	0	0	13	87	0	0
1991	982	25	0.255	0	20	0	0	64	0	0	16	0	0	0	20	64	16	0
1992	929	84	0.904	0	1	0	0	85	1	0	13	0	0	0	1	85	14	0
1993	2,607	94	0.361	0	0	0	2	87	0	0	11	0	0	0	2	87	11	0
1994	3,925	197	0.502	0	0	0	1	93	0	0	6	0	0	0	1	93	6	0

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.1: Return rates for Atlantic salmon that were stocked as fry in the Connecticut (above Holyoke) River .

1995	4,507	83	0.184	0	2	0	6	89	0	0	2	0	0	0	8	89	2	0
1996	4,780	55	0.115	0	4	0	5	89	2	0	0	0	0	0	9	89	2	0
1997	5,885	24	0.041	0	0	0	4	88	4	0	4	0	0	0	4	88	8	0
1998	6,614	33	0.050	0	0	0	6	88	0	0	3	0	3	0	6	88	3	3
1999	4,565	33	0.072	0	0	3	6	79	0	0	12			0	6	82	12	
2000	6,928	37	0.053	0	0	0	0	100		0				0	0	100		
2001	6,989	3	0.004	0	67		33							0	100			
2002	4,903	0	0.000	0										0				
Total	**58,510**	**1,043**																
Mean			**0.572**	**0**	**8**	**0**	**3**	**66**	**5**	**0**	**3**	**0**	**0**	**0**	**11**	**66**	**8**	**0**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.2: Return rates for Atlantic salmon that were stocked as fry in the Connecticut (basin) River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1974	16	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	32	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	27	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	50	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	50	7	1.400	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1979	54	3	0.561	0	100	0	0	0	0	0	0	0	0	0	100	0	0	100
1980	286	18	0.630	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1981	168	19	1.129	0	0	0	11	89	0	0	0	0	0	0	11	89	0	11
1982	294	46	1.565	0	0	0	0	89	11	0	0	0	0	0	0	89	11	0
1983	226	2	0.088	0	100	0	0	0	0	0	0	0	0	0	100	0	0	100
1984	584	3	0.051	0	0	0	0	33	33	0	33	0	0	0	0	33	67	0
1985	422	47	1.113	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1986	176	28	1.592	0	0	0	4	96	0	0	0	0	0	0	4	96	0	4
1987	1,169	51	0.436	0	18	0	0	67	2	0	14	0	0	0	18	67	16	18
1988	1,310	108	0.825	0	0	0	0	97	1	0	2	0	0	0	0	97	3	0
1989	1,243	67	0.539	0	22	0	7	69	0	0	1	0	0	0	30	69	1	30
1990	1,346	68	0.505	0	19	0	0	79	0	0	1	0	0	0	19	79	1	19
1991	2,208	35	0.159	0	17	0	0	63	0	0	20	0	0	0	17	63	20	17
1992	2,009	118	0.587	0	5	0	0	82	1	0	12	0	0	0	5	82	13	5
1993	4,147	185	0.446	0	4	0	3	87	0	0	6	0	0	0	6	87	6	6
1994	5,938	294	0.495	0	5	0	2	88	0	0	5	0	0	0	7	88	5	7

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.2: Return rates for Atlantic salmon that were stocked as fry in the Connecticut (basin) River .

1995	6,780	143	0.211	1	13	0	7	78	0	0	2	0	0	1	20	78	2	20
1996	6,645	101	0.152	0	16	0	11	71	1	0	1	0	0	0	27	71	2	27
1997	8,498	37	0.044	0	3	0	3	89	3	0	3	0	0	0	5	89	5	5
1998	9,085	44	0.048	0	0	0	9	84	0	0	5	0	2	0	9	84	5	9
1999	6,395	45	0.070	0	0	0	4	80	0	0	13			0	4	82	13	
2000	9,292	57	0.061	0	7	0	0	93		0				0	7	93		
2001	9,557	8	0.008	0	50		50							0	100			
2002	7,249	1	0.001	100										100				
Total	**85,256**	**1,535**																
Mean			**0.439**	**3**	**14**	**0**	**4**	**64**	**2**	**0**	**5**	**0**	**0**	**3**	**17**	**64**	**7**	**15**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.3: Return rates for Atlantic salmon that were stocked as fry in the Farmington River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1979	29	3	1.034	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0
1980	197	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	18	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	166	15	0.902	0	0	0	0	87	13	0	0	0	0	0	0	87	13	0
1983	157	1	0.064	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0
1984	128	2	0.156	0	0	0	0	50	0	0	50	0	0	0	0	50	50	0
1985	136	12	0.881	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1986	79	1	0.126	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1987	68	5	0.740	0	0	0	0	80	0	0	20	0	0	0	0	80	20	0
1988	333	13	0.391	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1989	279	19	0.680	0	63	0	11	26	0	0	0	0	0	0	74	26	0	0
1990	270	11	0.407	0	45	0	0	45	0	0	9	0	0	0	45	45	9	0
1991	371	2	0.054	0	50	0	0	0	0	0	50	0	0	0	50	0	50	0
1992	553	15	0.271	0	20	0	0	67	0	0	13	0	0	0	20	67	13	0
1993	772	52	0.673	0	13	0	6	77	0	0	4	0	0	0	19	77	4	0
1994	1,097	49	0.447	0	31	0	4	63	0	0	2	0	0	0	35	63	2	0
1995	1,146	42	0.367	2	38	0	5	52	0	0	2	0	0	2	43	52	2	0
1996	912	19	0.208	0	58	0	11	26	0	0	5	0	0	0	68	26	5	0
1997	1,480	4	0.027	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1998	1,191	2	0.017	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1999	986	2	0.020	0	0	0	0	50	0	0	50			0	0	50	50	

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.3: Return rates for Atlantic salmon that were stocked as fry in the Farmington River .

2000	1,247	8	0.064	0	0	0	0	100		0				0	0	100		
2001	1,252	3	0.024	0	33		67							0	100			
2002	1,192	1	0.008	100										100				
Total	**14,059**	**281**																
Mean			**0.315**	**4**	**24**	**0**	**4**	**56**	**1**	**0**	**10**	**0**	**0**	**4**	**28**	**56**	**10**	**0**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.4: Return rates for Atlantic salmon that were stocked as fry in the Merrimack River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1975	36	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	63	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	72	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	106	18	1.698	0	0	0	0	11	33	22	28	6	0	0	0	33	61	6
1979	77	43	5.584	0	0	0	0	84	5	2	9	0	0	0	0	86	14	0
1980	126	43	3.413	0	0	0	0	19	5	21	51	5	0	0	0	40	56	5
1981	57	81	14.211	0	0	0	10	78	0	5	7	0	0	0	10	83	7	0
1982	50	48	9.600	0	0	2	2	77	8	0	10	0	0	0	2	79	19	0
1983	8	23	27.479	0	4	4	17	65	4	0	4	0	0	0	22	70	9	0
1984	526	47	0.894	0	13	0	4	77	2	0	4	0	0	0	17	77	6	0
1985	148	59	3.986	0	2	0	7	69	2	0	20	0	0	0	8	69	22	0
1986	525	110	2.095	0	11	0	0	78	1	0	8	0	2	0	11	78	9	2
1987	1,078	278	2.579	0	2	0	8	86	0	0	4	0	0	0	10	86	4	0
1988	1,718	95	0.553	1	5	0	0	91	0	0	3	0	0	1	5	91	3	0
1989	1,034	43	0.416	0	7	0	30	63	0	0	0	0	0	0	37	63	0	0
1990	975	21	0.215	5	0	0	10	81	0	0	5	0	0	5	10	81	5	0
1991	1,458	17	0.117	0	6	0	6	76	12	0	0	0	0	0	12	76	12	0
1992	1,118	14	0.125	0	0	0	0	93	7	0	0	0	0	0	0	93	7	0
1993	1,157	11	0.095	0	0	0	27	45	0	9	18	0	0	0	27	55	18	0
1994	2,816	54	0.192	0	0	0	15	83	0	0	2	0	0	0	15	83	2	0
1995	2,827	87	0.308	0	0	0	22	72	0	6	0	0	0	0	22	78	0	0

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.4: Return rates for Atlantic salmon that were stocked as fry in the Merrimack River .

1996	1,795	27	0.150	0	0	0	15	85	0	0	0	0	0	0	15	85	0	0
1997	2,000	4	0.020	0	0	0	25	75	0	0	0	0	0	0	25	75	0	0
1998	2,589	8	0.031	0	0	0	25	75	0	0	0	0	0	0	25	75	0	0
1999	1,756	8	0.046	0	0	0	13	50	0	0	38			0	13	50	38	
2000	2,217	12	0.054	0	0	0	0	100		0				0	0	100		
2001	1,708	2	0.012	0	0		100							0	100			
2002	1,414	0	0.000	0										0				
Total	**29,454**	**1,153**																
Mean			**2.638**	**0**	**2**	**0**	**12**	**63**	**3**	**3**	**9**	**0**	**0**	**0**	**14**	**66**	**12**	**1**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.5: Return rates for Atlantic salmon that were stocked as fry in the Pawcatuck River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1993	383	3	0.078	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1994	557	2	0.036	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1995	367	5	0.136	0	0	0	20	80	0	0	0	0	0	0	20	80	0	0
1996	289	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	100	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	910	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	591	0	0.000	0	0	0	0	0	0	0	0			0	0	0	0	
2000	326	1	0.031	0	0	0	0	100		0				0	0	100		
2001	423	0	0.000	0	0		0							0	0			
2002	403	0	0.000	0										0				
Total	**4,349**	**11**																
Mean			**0.028**	**0**	**0**	**0**	**2**	**48**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**48**	**0**	**0**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.6: Return rates for Atlantic salmon that were stocked as fry in the Salmon River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1987	121	2	0.165	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0
1988	43	3	0.693	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1989	111	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	38	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	49	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	124	4	0.322	0	50	0	0	50	0	0	0	0	0	0	50	50	0	0
1993	105	2	0.190	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1994	241	4	0.166	0	25	0	0	75	0	0	0	0	0	0	25	75	0	0
1995	242	1	0.041	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1996	247	15	0.607	0	20	0	33	47	0	0	0	0	0	0	53	47	0	0
1997	223	3	0.134	0	33	0	0	67	0	0	0	0	0	0	33	67	0	0
1998	257	1	0.039	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1999	132	6	0.454	0	0	0	0	100	0	0	0			0	0	100	0	
2000	278	3	0.108	0	100	0	0	0		0				0	100	0		
2001	250	0	0.000	0	0		0							0	0			
2002	263	0	0.000	0										0				
Total	**2,724**	**44**																
Mean			**0.182**	**0**	**22**	**0**	**2**	**53**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**53**	**0**	**0**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 18.7: Return rates for Atlantic salmon that were stocked as fry in the Westfield River .

Year	Total Fry (1000s)	Total Returns	Returns (per 10,000)	Age class (smolt age.sea age) distribution (%)										Age (years) dist'n (%)				
				1.1	1.2	1.3	2.1	2.2	2.3	3.1	3.2	3.3	4.2	2	3	4	5	6
1988	6	0	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	106	1	0.095	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1990	274	4	0.146	0	25	0	0	75	0	0	0	0	0	0	25	75	0	0
1991	806	8	0.099	0	0	0	0	75	0	0	25	0	0	0	0	75	25	0
1992	402	15	0.373	0	0	0	0	93	0	0	7	0	0	0	0	93	7	0
1993	662	37	0.559	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1994	674	44	0.652	0	0	0	2	91	0	0	7	0	0	0	2	91	7	0
1995	885	17	0.192	0	0	0	18	82	0	0	0	0	0	0	18	82	0	0
1996	706	12	0.170	0	0	0	8	92	0	0	0	0	0	0	8	92	0	0
1997	909	6	0.066	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
1998	1,022	8	0.078	0	0	0	25	63	0	0	13	0	0	0	25	63	13	0
1999	712	4	0.056	0	0	0	0	75	0	0	25			0	0	75	25	
2000	839	9	0.107	0	11	0	0	89		0				0	11	89		
2001	1,066	2	0.019	0	50		50							0	100			
2002	892	0	0.000	0										0				
Total	**9,961**	**167**																
Mean			**0.174**	**0**	**6**	**0**	**7**	**80**	**0**	**0**	**6**	**0**	**0**	**0**	**14**	**80**	**6**	**0**

Mean return rate computation includes incomplete return rates for 1999 - 2002 year class fish.

NOTE: Return rates (returns/10,000 fry) are calculated from stocked fry numbers and do not include any natural fry production.

Table 19. Summary return rates in southern New England for Atlantic salmon that were stocked as fry.

Year Stocked	Number of adult returns per 10,000 fry stocked						
	Merrimack	Pawcatuck	CT Basin	Connecticut (above Holyoke)	Salmon	Farmington	Westfield
1974			0.000	0.000			
1975	0.000		0.000	0.000			
1976	0.000		0.000	0.000			
1977	0.000		0.000	0.000			
1978	1.698		1.400	1.400			
1979	5.584		0.561	0.000		1.034	
1980	3.413		0.630	2.022		0.000	
1981	14.211		1.129	1.261		0.000	
1982	9.600		1.565	2.429		0.902	
1983	27.479		0.088	0.143		0.064	
1984	0.894		0.051	0.022		0.156	
1985	3.986		1.113	1.224		0.881	
1986	2.095		1.592	2.791		0.126	
1987	2.579		0.436	0.449	0.165	0.740	
1988	0.553		0.825	0.992	0.693	0.391	0.000
1989	0.416		0.539	0.629	0.000	0.680	0.095
1990	0.215		0.505	0.693	0.000	0.407	0.146
1991	0.117		0.159	0.255	0.000	0.054	0.099
1992	0.125		0.587	0.904	0.322	0.271	0.373
1993	0.095	0.078	0.446	0.361	0.190	0.673	0.559
1994	0.192	0.036	0.495	0.502	0.166	0.447	0.652
1995	0.308	0.136	0.211	0.184	0.041	0.367	0.192
1996	0.150	0.000	0.152	0.115	0.607	0.208	0.170
1997	0.020	0.000	0.044	0.041	0.134	0.027	0.066
1998	0.031	0.000	0.048	0.050	0.039	0.017	0.078
1999	0.046	0.000	0.070	0.072	0.454	0.020	0.056
2000	0.054	0.031	0.061	0.053	0.108	0.064	0.107
2001	0.012	0.000	0.008	0.004	0.000	0.024	0.019
2002	0.000	0.000	0.001	0.000	0.000	0.008	0.000
Mean	**2.638**	**0.028**	**0.439**	**0.572**	**0.182**	**0.315**	**0.174**
StndDev	**5.864**	**0.046**	**0.497**	**0.773**	**0.223**	**0.334**	**0.199**

Note: Maine rivers not included in this table until adult returns from natural reproduction and fry stocking can be distinguished.

Note: Summary mean and standard deviation computations includes incomplete return rates from 1998 (5 year olds), 1999 (4 year olds), 2000 (3 year olds), and 2001(2 year olds).

Table 20. Summary of age distributions of adult Atlantic salmon that were stocked in southern New England as fry.

	Mean age class (smolt age.sea age) distribution (%)										Mean age (years) (%)				
	1.1	**1.2**	**1.3**	**2.1**	**2.2**	**2.3**	**3.1**	**3.2**	**3.3**	**4.2**	**2**	**3**	**4**	**5**	**6**
Connecticut (above Holyoke)	0.0	2.9	0.1	2.3	88.7	0.9	0.0	0.1	0.0	0.1	0.0	5.2	88.8	5.9	0.1
Connecticut (basin)	0.1	7.8	0.1	3.3	83.2	0.7	0.0	0.0	0.0	0.1	0.1	11.1	83.3	5.5	0.1
Farmington	0.7	26.7	0.0	4.6	63.0	0.7	0.0	0.0	0.0	0.0	0.7	31.3	63.0	5.0	0.0
Salmon	0.0	27.3	0.0	11.4	61.4	0.0	0.0	0.0	0.0	0.0	0.0	38.6	61.4	0.0	0.0
Westfield	0.0	1.8	0.0	4.8	88.6	0.0	0.0	0.0	0.0	0.0	0.0	6.6	88.6	4.8	0.0
Merrimack	0.2	3.0	0.2	8.5	76.2	1.8	0.0	0.1	0.3	0.2	0.2	11.5	78.5	9.4	0.4
Overall Mean:	**0.2**	**11.6**	**0.1**	**5.8**	**76.8**	**0.7**	**0.0**	**0.0**	**0.0**	**0.1**	**0.2**	**17.4**	**77.3**	**5.1**	**0.1**

Program summary age distributions vary in time series length; refer to specific tables for numbers of years utilized.

Note: Maine rivers not reported until adult returns from natural reproduction and fry stocking can be distinguished.