Appendix B

Physical/Chemical Parameters

APPENDIX B

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Table B-1 Daily Freshwater Flow (m^3/sec/day) Estimated for Green Island, New York, 2004

DAY OF MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT[1]	NOV[1]	DEC[1]
1	809	317	254	1039	393	619	150	356	553	NA	NA	NA
2	725	320	291	1760	350	735	144	358	411	NA	NA	1515
3	714	326	458	1602	392	676	159	338	403	NA	215	1097
4	909	318	750	1203	437	531	132	323	367	NA	NA	852
5	954	312	798	1002	419	529	139	295	315	NA	NA	687
6	835	326	1090	824	399	448	145	267	282	NA	NA	616
7	702	323	1330	665	377	402	140	245	274	229	NA	579
8	567	323	1101	575	332	373	234	216	336	178	NA	805
9	503	319	849	512	300	366	239	233	318	NA	338	904
10	429	297	708	476	326	376	226	206	528	NA	NA	847
11	441	315	600	437	417	363	180	179	525	NA	NA	1623
12	444	302	580	419	326	329	165	240	424	NA	NA	1408
13	463	298	526	418	295	307	155	573	347	NA	NA	1101
14	440	315	461	640	387	279	176	638	360	NA	NA	940
15	404	294	431	838	367	221	229	406	388	NA	NA	777
16	391	295	432	730	305	221	248	393	342	NA	NA	629
17	406	283	409	627	289	168	303	629	316	NA	NA	558
18	403	295	409	550	240	171	277	476	976	247	NA	521
19	392	287	397	537	252	163	263	361	1576	243	NA	487
20	395	303	381	496	227	174	230	306	762	NA	NA	439
21	366	287	458	469	260	149	223	514	591	290	NA	423
22	374	283	549	472	245	160	222	853	498	288	NA	423
23	367	277	469	415	288	156	195	546	442	292	181	468
24	360	273	384	402	928	157	217	500	370	290	270	984
25	352	283	379	468	1774	154	224	405	362	NA	368	907
26	341	271	497	542	1431	156	198	366	330	NA	521	648
27	327	265	877	733	1202	145	326	328	296	NA	565	486
28	328	266	1274	544	1058	132	834	349	278	NA	480	456
29	323	250	1138	470	909	137	782	401	297	NA	656	522
30	329	--	1022	404	735	147	517	480	303	NA	NA	522
31	334	--	877	--	657	--	355	592	--	NA	--	486

[1] October through December data are provisional and incomplete.
NA = No data available.

Table B-2 Long-Term (1947-2003) and 2004 Monthly Mean Freshwater Flow (m^3/sec/day) Estimated for Green Island, New York

MONTH	2004 AVERAGE	LONG-TERM AVERAGE	LONG-TERM MINIMUM	LONG-TERM MAXIMUM
JAN	488	385	118	961
FEB	297	397	128	885
MAR	651	617	258	1,077
APR	676	870	257	1,749
MAY	526	530	156	1,147
JUN	298	292	101	839
JUL	259	188	87	520
AUG	399	164	48	414
SEP	452	180	58	482
OCT[1]	257	250	71	853
NOV[1]	399	364	93	740
DEC[1]	757	416	173	989
ANNUAL AVERAGE[2]	456	387		

[1] October through December data for 2004 are provisional and incomplete.
[2] Weighted by number of days in each month. 2004 average is provisional.

Table B-3 Monthly Mean Freshwater Flow (m^3/sec/day) Estimated for Green Island, New York, 1974 to 2004

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
JAN	623	540	417	225	744	571	256	148	321	259	133	439	310	262	268	196	383
FEB	527	548	885	227	400	335	128	851	356	352	552	319	362	201	349	256	703
MAR	587	670	897	987	619	1,077	633	349	613	580	281	581	1,018	605	461	332	994
APR	854	724	1,040	1,092	950	1,009	748	384	897	1,062	761	456	689	981	476	548	894
MAY	650	566	900	421	530	508	274	328	354	1,036	651	232	363	156	357	620	990
JUN	249	367	431	207	282	216	192	169	431	358	275	157	428	175	123	389	250
JUL	333	211	432	162	131	131	144	140	182	127	127	133	250	162	131	92	157
AUG	180	254	414	154	169	149	130	133	124	155	48	104	350	118	139	61	248
SEP	294	482	271	408	175	221	118	233	122	133	58	171	218	341	164	120	159
OCT	256	662	658	853	244	313	158	456	124	71	178	206	336	504	211	254	477
NOV	486	637	507	663	227	465	242	393	196	224	277	423	544	453	565	407	653
DEC	548	532	398	749	303	430	273	319	233	624	447	338	524	437	330	180	687
ANNUAL AVERAGE	466	516	604	512	398	452	275	325	329	415	316	296	449	366	298	288	549

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Range	Average
JAN	512	304	550	239	490	736	465	922	426	417	291	168	331	488	133-922	401
FEB	496	236	276	337	263	503	516	437	473	473	346	423	279	297	128-885	410
MAR	696	408	453	562	514	461	683	873	584	861	413	540	914	651	281-1,077	642
APR	655	648	1,749	1,375	257	939	873	652	593	1,069	1,375	693	833	676	257-1,749	837
MAY	346	501	375	534	158	1,081	643	349	214	898	341	652	621	526	156-1,081	522
JUN	144	342	203	233	130	353	180	550	115	573	451	483	413	298	115-573	296
JUL	112	254	136	248	94	384	153	243	142	314	195	152	188	259	92-432	191
AUG	123	203	140	265	97	191	126	153	84	393	105	112	332	399	48-414	182
SEP	136	217	158	190	102	185	127	133	257	228	116	138	257	452	58-482	206
OCT	216	286	192	177	361	288	133	169	266	264	115	248	533	257[1]	71-853	305
NOV	301	531	347	251	693	613	293	190	280	309	163	525	736	399[1]	163-736	419
DEC	364	438	403	396	328	989	268	187	298	469	220	406	846	757[1]	180-989	443
ANNUAL AVERAGE	342	364	415	401	291	560	372	405	311	522	344	378	524	455[1]	275-604	404

[1] October through December data for 2004 are provisional and incomplete.

Table B-4 Average Annual Freshwater Flow (m^3/sec/day) Estimated for Green Island, New York, 1947 to 2004

YEAR	FLOW	YEAR	FLOW
1947	457	1976	603
1948	366	1977	514
1949	350	1978	398
1950	398	1979	453
1951	479	1980	275
1952	432	1981	321
1953	395	1982	328
1954	408	1983	415
1955	414	1984	314
1956	393	1985	296
1957	273	1986	451
1958	363	1987	366
1959	401	1988	297
1960	397	1989	287
1961	304	1990	549
1962	299	1991	341
1963	266	1992	364
1964	247	1993	414
1965	219	1994	406
1966	285	1995	291
1967	316	1996	561
1968	353	1997	370
1969	377	1998	405
1970	337	1999	310
1971	420	2000	522
1972	595	2001	342
1973	493	2002	377
1974	465	2003	525
1975	515	2004[1]	473

[1] Data for 2004 are provisional and incomplete.

Table B-5 Poughkeepsie Waterworks Data, Mean, Minimum, And Maximum Temperature (°C) for Each Day of the Year, 1951 to 2004

		LONG-TERM TEMPERATURE (1951-2003)			2004 ACTUAL
MONTH	DAY	MEAN	MINIMUM	MAXIMUM	TEMPERATURES
1	1	1.5	0.6	4.4	
1	2	1.5	0.0	4.6	3.1
1	3	1.6	0.6	4.6	
1	4	1.6	0.6	3.4	
1	5	1.4	0.0	3.3	3.4
1	6	1.3	0.0	3.3	3.1
1	7	1.4	0.0	3.3	4.1
1	8	1.2	0.0	3.4	3.2
1	9	1.3	0.0	3.3	3.2
1	10	1.2	0.0	3.3	
1	11	1.2	0.0	3.7	
1	12	1.1	0.4	3.4	1.7
1	13	1.1	0.0	3.5	1.8
1	14	1.1	0.0	3.2	1.8
1	15	1.1	0.0	2.8	
1	16	1.1	0.4	2.8	1.8
1	17	1.1	0.5	2.8	
1	18	1.1	0.6	3.3	
1	19	1.0	0.6	2.8	
1	20	1.0	0.5	2.2	1.5
1	21	1.0	0.0	2.4	1.9
1	22	1.0	0.6	2.2	1.9
1	23	1.0	0.6	3.3	1.6
1	24	1.0	0.0	3.3	
1	25	1.0	0.0	3.7	
1	26	1.0	0.0	3.5	1.7
1	27	1.0	0.0	3.1	1.5
1	28	1.0	0.5	3.0	1.4
1	29	1.0	0.6	2.5	1.6
1	30	1.0	0.0	2.5	1.6
1	31	1.0	0.6	2.8	
2	1	1.0	0.6	2.4	
2	2	1.0	0.6	2.7	1.6
2	3	1.0	0.6	2.2	1.7
2	4	1.0	0.6	2.0	1.8
2	5	0.9	0.0	1.8	1.3
2	6	1.0	0.5	2.0	1.6
2	7	1.0	0.2	2.2	
2	8	1.0	0.0	2.2	
2	9	0.9	0.2	2.2	2.0
2	10	1.0	0.2	3.3	2.1
2	11	1.0	0.0	2.2	2.6
2	12	1.0	0.3	2.3	2.0
2	13	1.1	0.0	2.2	2.1
2	14	1.2	0.3	2.8	
2	15	1.1	0.2	2.8	
2	16	1.1	0.0	2.8	
2	17	1.2	0.6	2.8	4.4
2	18	1.1	0.0	2.8	2.0
2	19	1.2	0.6	2.8	1.7
2	20	1.2	0.0	2.8	1.7
2	21	1.2	0.4	2.8	
2	22	1.3	0.0	3.9	
2	23	1.3	0.0	2.8	1.4
2	24	1.3	0.0	3.9	1.8
2	25	1.3	0.5	2.8	1.6
2	26	1.5	0.0	3.3	1.4
2	27	1.6	0.0	4.4	1.6
2	28	1.5	0.0	5.0	
2	29	1.8	0.6	4.4	
3	1	1.6	0.6	4.4	1.5
3	2	1.6	0.5	4.4	1.7
3	3	1.5	0.5	4.2	1.9
3	4	1.7	0.5	4.9	
3	5	1.7	0.5	4.6	2.0
3	6	1.8	0.6	4.8	
3	7	1.8	0.6	4.7	
3	8	1.8	0.0	4.9	2.0
3	9	1.9	0.6	4.9	1.9
3	10	2.0	0.6	5.4	2.0
3	11	2.1	0.6	5.3	2.3
3	12	2.1	0.5	5.1	2.1
3	13	2.2	0.5	5.3	
3	14	2.3	0.6	5.6	
3	15	2.4	0.6	5.8	3.5

Table B-5 (Continued)

MONTH	DAY	LONG-TERM TEMPERATURE (1951-2003) MEAN	MINIMUM	MAXIMUM	2004 ACTUAL TEMPERATURES
3	16	2.5	0.6	5.6	3.6
3	17	2.6	0.6	5.7	3.3
3	18	2.7	0.5	5.9	4.0
3	19	2.7	0.6	7.7	3.8
3	20	2.9	0.6	7.5	
3	21	3.1	0.6	7.3	
3	22	3.2	0.6	7.2	3.8
3	23	3.3	0.6	7.1	3.8
3	24	3.5	0.6	7.1	
3	25	3.7	0.6	6.4	5.0
3	26	3.8	0.6	6.5	4.8
3	27	4.1	1.1	6.9	
3	28	4.3	1.1	6.8	
3	29	4.5	1.1	7.5	5.8
3	30	4.8	1.1	8.3	7.0
3	31	5.1	1.1	8.4	7.6
4	1	5.3	1.7	9.4	8.3
4	2	5.4	2.2	9.1	7.4
4	3	5.7	2.8	10.8	
4	4	5.7	2.8	9.2	
4	5	5.9	2.8	8.8	7.2
4	6	6.1	3.3	9.3	7.4
4	7	6.3	2.8	9.5	7.0
4	8	6.4	2.8	9.4	7.6
4	9	6.4	2.8	9.2	
4	10	6.6	2.8	10.2	
4	11	6.8	2.8	11.2	
4	12	7.0	2.8	11.4	7.9
4	13	7.2	2.8	11.4	7.7
4	14	7.4	2.8	11.4	7.7
4	15	7.6	2.8	11.5	8.0
4	16	7.8	3.3	11.8	7.7
4	17	7.9	3.9	11.7	
4	18	8.1	5.6	13.1	
4	19	8.5	5.6	13.9	8.8
4	20	8.6	6.1	12.2	9.0
4	21	9.0	6.1	12.2	10.2
4	22	9.2	6.7	12.8	10.0
4	23	9.5	6.7	14.0	11.3
4	24	9.7	6.7	14.1	
4	25	9.7	6.7	13.9	
4	26	10.0	6.7	13.6	11.3
4	27	10.2	7.2	13.3	13.2
4	28	10.4	7.8	13.3	12.8
4	29	10.7	8.3	13.9	13.5
4	30	11.1	8.9	13.9	13.0
5	1	11.2	8.9	14.4	
5	2	11.4	8.9	14.4	
5	3	11.6	8.9	14.4	14.0
5	4	11.9	8.9	15.0	14.0
5	5	12.1	8.9	15.0	14.3
5	6	12.3	8.9	15.0	14.4
5	7	12.5	8.9	15.0	15.2
5	8	12.7	8.9	15.4	
5	9	12.8	8.9	15.6	
5	10	13.0	8.9	16.1	15.2
5	11	13.2	9.4	16.1	16.2
5	12	13.3	9.4	16.2	16.5
5	13	13.5	10.0	16.7	16.5
5	14	13.7	10.6	16.7	16.3
5	15	13.9	11.1	16.8	
5	16	14.1	11.1	17.6	
5	17	14.3	11.7	17.7	17.4
5	18	14.5	11.7	17.7	17.9
5	19	14.8	11.7	17.7	18.3
5	20	15.0	12.2	17.8	18.6
5	21	15.3	12.7	18.0	19.3
5	22	15.5	12.5	18.5	
5	23	15.6	12.4	18.9	
5	24	15.8	12.8	19.0	20.1
5	25	16.0	12.8	19.3	20.1
5	26	16.3	12.2	19.4	20.8
5	27	16.5	12.2	20.6	20.5
5	28	16.8	12.2	20.6	20.8
5	29	17.0	12.8	20.7	

Table B-5 (Continued)

MONTH	DAY	LONG-TERM TEMPERATURE (1951-2003) MEAN	MINIMUM	MAXIMUM	2004 ACTUAL TEMPERATURES
5	30	17.0	12.8	21.5	
5	31	17.1	13.3	21.3	
6	1	17.6	13.3	22.0	19.3
6	2	18.0	13.3	22.2	19.5
6	3	18.1	14.4	22.1	
6	4	18.3	13.9	22.5	18.9
6	5	18.4	15.0	22.2	
6	6	18.5	15.6	22.4	
6	7	18.7	15.0	22.4	19.0
6	8	19.0	16.1	22.5	19.4
6	9	19.2	16.3	23.0	19.8
6	10	19.5	17.2	23.2	19.8
6	11	19.7	17.2	23.4	
6	12	19.8	17.2	23.3	
6	13	19.9	17.8	23.4	
6	14	20.1	17.5	23.3	20.2
6	15	20.2	17.2	23.5	
6	16	20.4	17.8	23.8	20.8
6	17	20.5	17.8	23.8	21.1
6	18	20.8	17.8	24.2	20.8
6	19	20.8	17.8	24.1	
6	20	21.0	17.8	24.0	
6	21	21.2	17.8	24.3	21.0
6	22	21.4	17.2	24.3	22.0
6	23	21.5	17.2	24.1	22.1
6	24	21.7	17.8	24.1	22.6
6	25	21.8	17.8	24.2	22.6
6	26	22.0	17.8	24.5	
6	27	22.1	17.8	24.4	
6	28	22.2	17.8	24.7	22.5
6	29	22.5	17.8	25.0	22.7
6	30	22.5	17.8	25.0	22.7
7	1	22.7	18.9	25.4	23.0
7	2	22.8	18.9	25.1	23.1
7	3	22.9	19.4	25.0	
7	4	22.9	19.4	25.0	
7	5	23.2	20.0	25.7	
7	6	23.3	20.0	25.6	23.3
7	7	23.4	20.0	26.3	23.7
7	8	23.5	20.0	26.1	24.1
7	9	23.6	20.0	26.2	23.8
7	10	23.6	20.6	26.0	
7	11	23.7	20.6	26.0	
7	12	23.9	21.1	26.4	24.3
7	13	24.1	21.7	26.7	24.0
7	14	24.1	21.7	26.7	24.0
7	15	24.3	21.7	26.7	24.2
7	16	24.4	22.2	26.7	24.2
7	17	24.4	22.2	26.6	
7	18	24.4	22.2	26.3	
7	19	24.6	22.2	26.6	24.3
7	20	24.7	22.2	26.8	24.5
7	21	24.7	22.8	26.6	24.7
7	22	24.9	22.2	27.0	25.0
7	23	24.9	22.2	27.0	25.3
7	24	24.9	22.8	26.8	
7	25	24.9	22.8	26.7	
7	26	24.9	22.8	26.8	25.0
7	27	25.1	22.8	27.2	25.1
7	28	25.1	22.8	27.2	24.5
7	29	25.2	22.8	27.1	24.7
7	30	25.2	23.3	27.1	24.8
7	31	25.2	23.0	27.1	
8	1	25.2	22.8	26.7	
8	2	25.2	22.8	27.4	25.5
8	3	25.3	22.8	27.3	25.7
8	4	25.3	22.8	27.4	26.0
8	5	25.4	23.3	27.2	25.8
8	6	25.4	23.3	27.2	25.7
8	7	25.3	23.2	27.4	
8	8	25.3	23.3	27.4	
8	9	25.3	23.3	27.8	25.1
8	10	25.3	23.3	27.8	25.1
8	11	25.3	22.8	27.8	25.2
8	12	25.3	22.8	28.1	25.2

Table B-5 (Continued)

MONTH	DAY	LONG-TERM TEMPERATURE (1951-2003) MEAN	MINIMUM	MAXIMUM	2004 ACTUAL TEMPERATURES
8	13	25.2	22.2	28.0	25.1
8	14	25.1	22.2	28.4	
8	15	25.1	22.2	28.4	
8	16	25.0	22.2	28.4	24.6
8	17	25.0	22.2	28.1	24.1
8	18	24.9	22.8	28.0	24.2
8	19	25.0	22.2	27.7	24.2
8	20	25.0	22.8	27.6	24.1
8	21	24.9	22.2	27.5	
8	22	24.8	22.2	27.1	
8	23	24.7	22.5	26.9	23.8
8	24	24.6	22.2	26.7	23.4
8	25	24.5	21.7	26.2	24.2
8	26	24.5	21.7	26.2	24.1
8	27	24.6	22.2	26.3	23.4
8	28	24.5	22.2	26.3	
8	29	24.3	22.2	26.7	
8	30	24.3	22.2	26.1	23.4
8	31	24.2	22.2	26.1	23.6
9	1	24.2	22.2	26.1	23.6
9	2	24.1	22.2	26.7	23.8
9	3	24.0	22.2	26.1	23.6
9	4	24.0	22.2	25.6	
9	5	23.9	21.7	25.6	
9	6	23.8	22.2	25.6	
9	7	23.6	21.6	25.6	23.7
9	8	23.5	21.7	25.6	23.7
9	9	23.5	21.7	25.6	23.7
9	10	23.4	21.1	25.6	23.4
9	11	23.3	21.1	25.6	
9	12	23.1	21.1	25.6	
9	13	23.0	20.0	25.6	23.2
9	14	22.8	18.9	25.0	23.0
9	15	22.6	17.8	25.0	22.7
9	16	22.5	17.2	25.0	22.7
9	17	22.3	17.2	25.0	22.8
9	18	22.1	16.7	25.0	
9	19	22.0	16.7	23.9	
9	20	21.8	17.2	23.9	19.5
9	21	21.4	16.7	23.3	18.2
9	22	21.3	16.1	23.3	18.2
9	23	21.1	16.1	23.1	18.5
9	24	20.9	15.6	23.1	18.5
9	25	20.8	15.6	23.0	
9	26	20.7	15.6	22.8	
9	27	20.4	16.1	22.3	18.9
9	28	20.2	15.6	22.2	18.9
9	29	19.9	15.6	22.2	18.9
9	30	19.8	15.6	22.2	19.0
10	1	19.6	16.1	22.2	18.8
10	2	19.4	15.6	22.2	
10	3	19.3	15.6	22.2	
10	4	19.0	15.6	21.7	18.3
10	5	18.7	15.0	21.1	18.2
10	6	18.5	15.0	21.1	18.1
10	7	18.5	15.0	21.1	18.0
10	8	18.2	14.4	21.1	18.0
10	9	17.9	14.4	21.1	
10	10	17.8	14.4	21.1	
10	11	17.7	13.9	21.1	
10	12	17.3	13.3	21.1	17.3
10	13	17.1	13.3	20.0	17.6
10	14	16.9	12.8	21.1	17.0
10	15	16.8	12.2	20.0	17.1
10	16	16.6	12.2	20.0	
10	17	16.4	12.8	20.0	
10	18	16.2	12.2	20.0	16.4
10	19	15.9	11.7	20.0	15.7
10	20	15.6	10.6	19.4	15.7
10	21	15.3	10.6	18.9	15.4
10	22	15.1	10.0	18.9	15.2
10	23	14.9	10.0	18.9	
10	24	14.7	10.0	18.3	
10	25	14.6	10.0	18.3	14.3
10	26	14.3	10.0	17.8	14.4

Table B-5 (Continued)

MONTH	DAY	LONG-TERM TEMPERATURE (1951-2003) MEAN	MINIMUM	MAXIMUM	2004 ACTUAL TEMPERATURES
10	27	13.9	9.4	17.8	14.7
10	28	13.9	8.9	17.8	13.8
10	29	13.6	8.3	17.8	13.8
10	30	13.4	7.8	16.7	
10	31	13.2	7.2	16.7	
11	1	13.1	7.2	16.7	14.3
11	2	12.8	7.2	16.1	13.4
11	3	12.6	7.2	16.1	13.1
11	4	12.4	7.2	15.6	13.4
11	5	12.2	7.2	15.6	12.9
11	6	11.9	6.7	15.6	
11	7	11.7	6.1	15.0	
11	8	11.4	6.1	15.0	11.7
11	9	11.2	5.6	15.0	12.2
11	10	10.8	5.0	14.4	11.7
11	11	10.4	5.0	13.9	
11	12	10.3	5.0	13.3	11.2
11	13	10.1	5.0	13.3	
11	14	9.9	5.0	13.3	
11	15	9.8	5.0	12.8	9.9
11	16	9.5	5.0	12.8	
11	17	9.2	5.0	12.8	9.0
11	18	9.0	5.0	12.8	9.3
11	19	8.8	5.0	12.2	9.0
11	20	8.5	4.9	11.1	
11	21	8.3	3.9	11.1	
11	22	8.1	3.9	11.1	8.8
11	23	8.0	3.9	11.1	8.3
11	24	7.7	3.9	10.6	8.1
11	25	7.4	3.9	10.6	
11	26	7.3	3.3	10.2	
11	27	7.0	3.3	10.4	
11	28	6.9	3.3	10.5	
11	29	6.7	3.3	10.3	7.3
11	30	6.5	2.8	10.3	7.3
12	1	6.2	2.2	9.4	7.3
12	2	6.0	3.0	8.9	7.3
12	3	5.8	2.2	9.3	7.3
12	4	5.5	1.3	8.3	
12	5	5.3	2.8	9.6	
12	6	5.3	2.6	9.6	
12	7	5.3	2.0	9.8	5.7
12	8	4.9	2.0	8.2	5.5
12	9	4.6	1.7	8.1	5.5
12	10	4.4	1.1	8.8	5.7
12	11	4.2	1.1	8.8	
12	12	3.9	0.6	8.8	
12	13	3.9	0.6	8.8	5.7
12	14	3.7	0.6	8.6	5.3
12	15	3.4	0.6	7.1	4.9
12	16	3.2	0.6	6.9	4.4
12	17	3.2	0.6	8.0	4.3
12	18	3.0	0.6	7.9	
12	19	2.7	0.6	7.6	
12	20	2.8	0.6	7.6	4.3
12	21	2.6	0.6	7.5	4.2
12	22	2.3	0.6	6.5	4.0
12	23	2.2	0.6	6.1	3.6
12	24	2.2	0.6	7.3	
12	25	2.1	0.6	5.6	
12	26	1.9	0.0	6.1	
12	27	1.9	0.0	6.1	2.9
12	28	2.0	0.0	6.1	1.5
12	29	1.9	0.0	6.1	1.4
12	30	1.8	0.6	6.1	2.1
12	31	1.8	0.0	5.0	

Table B-6 Average Annual Water Temperature (°C) as Measured at Poughkeepsie Waterworks, 1951 to 2004

YEAR	TEMPERATURE	YEAR	TEMPERATURE
1951	11.66	1978	12.27
1952	12.25	1979	12.49
1953	12.87	1980	12.72
1954	11.92	1981	12.63
1955	12.40	1982	12.48
1956	11.92	1983	13.01
1957	13.03	1984	13.04
1958	12.18	1985	13.05
1959	12.90	1986	12.69
1960	11.29	1987	12.66
1961	12.17	1988	12.57
1962	11.63	1989	12.09
1963	11.82	1990	12.77
1964	12.99	1991	13.67
1965	12.51	1992	12.10
1966	12.75	1993	12.47
1967	12.05	1994	12.39
1968	13.10	1995	12.48
1969	12.59	1996	12.19
1970	12.79	1997	12.42
1971	12.31	1998	13.96
1972	11.35	1999	13.22
1973	12.73	2000	12.25
1974	11.61	2001	13.41
1975	12.37	2002	13.17
1976	11.43	2003	12.46
1977	11.97	2004	13.07

Table B-7 Weighted Mean Temperature (°C) by Region and Week from 2004 Long River/Fall Juvenile Survey

WEEK BEGINNING MONDAY	REGIONS												
	BT	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
01MAR04	4.1	4.1	4.0	3.6	3.2	2.5	2.1	.	.	.	.	.	.
15MAR04	4.4	4.1	3.5	3.4	2.8	1.7	1.8	.	.	.	.	.	.
29MAR04	5.7	6.1	5.9	5.7	5.3	5.0	4.7	.	.	.	.	.	.
05APR04	6.0	6.1	5.8	6.4	6.9	6.9	7.1	6.8	6.3	6.1	5.3	5.2	5.0
12APR04	7.1	7.9	9.0	9.0	8.2	7.8	7.5	6.8	8.6	6.8	6.6	6.8	7.0
19APR04	9.0	10.1	11.0	10.5	9.3	9.2	9.4	9.3	10.2	10.7	11.1	11.3	12.0
26APR04	11.4	11.9	11.9	11.9	11.8	10.9	11.2	11.6	11.9	11.8	12.0	12.2	12.2
03MAY04	12.0	13.2	13.7	13.2	12.8	13.3	13.7	13.5	14.2	14.4	13.5	13.9	13.8
10MAY04	13.5	15.2	16.1	16.9	15.7	15.2	15.3	15.2	15.0	15.1	15.1	14.5	14.4
17MAY04	15.9	16.4	18.0	19.2	18.9	17.9	18.0	17.8	19.0	19.3	19.7	19.8	20.0
24MAY04	18.2	19.0	19.0	19.2	19.2	19.6	20.0	20.0	20.9	20.8	20.8	20.9	20.4
31MAY04	19.0	19.6	20.2	20.8	21.2	20.4	20.4	19.7	18.6	18.3	18.0	17.6	17.5
07JUN04	19.9	20.9	22.1	23.0	22.0	20.3	20.1	19.8	19.3	18.9	18.7	18.7	18.7
14JUN04	20.4	20.8	22.3	23.1	23.3	21.5	21.1	20.9	21.1	20.7	20.9	21.2	21.2
21JUN04	20.4	22.0	22.9	23.5	23.6	22.4	22.3	22.0	22.0	22.3	22.5	22.7	23.4
28JUN04	19.3	20.6	22.7	23.7	23.9	23.0	22.7	22.7	22.7	22.4	22.4	22.8	22.6
05JUL04	21.6	23.8	25.0	25.8	25.8	24.0	23.9	24.1	23.7	23.9	24.1	24.1	24.2
12JUL04	21.5	22.5	23.7	24.7	25.1	24.7	24.4	24.4	.	.	.	.	.
19JUL04	23.7	24.8	25.5	26.1	25.8	24.7	24.7	24.6	24.9	24.3	24.5	24.5	24.3
26JUL04	22.5	23.4	24.6	25.9	25.7	24.8	24.7	24.9	.	.	.	.	.
02AUG04	25.2	26.4	26.7	26.9	26.7	25.6	25.8	25.5	25.8	25.3	24.8	24.2	24.2
09AUG04	23.1	24.0	25.2	26.2	25.8	25.3	25.0	25.2	.	.	.	.	.
16AUG04	23.6	24.4	24.8	25.3	25.3	24.5	24.5	24.2	24.2	23.9	23.7	23.0	22.6
23AUG04	23.0	24.4	25.2	25.6	24.8	24.2	24.2	24.1	.	.	.	.	.
30AUG04	25.0	25.6	25.9	25.8	25.5	24.7	24.6	23.7	23.6	23.6	23.6	23.5	23.9
06SEP04	23.3	23.9	24.4	24.7	24.3	23.8	23.8	23.5	.	.	.	.	.
13SEP04	23.2	23.5	23.6	24.2	24.3	23.5	23.3	22.9	22.6	22.3	22.3	22.0	21.7
20SEP04	21.6	21.6	21.6	21.8	21.3	20.8	20.6	19.5	.	.	.	.	.
27SEP04	21.0	20.8	20.9	21.5	21.4	20.1	19.4	18.6	18.8	19.1	19.1	19.4	19.7
04OCT04	19.7	19.7	19.5	19.6	18.3	17.6	17.8	18.1	.	.	.	.	.
11OCT04	18.1	17.7	17.5	17.8	18.3	17.5	17.2	16.7	15.9	15.9	15.7	15.8	15.9
25OCT04	14.6	14.5	14.9	14.9	14.8	14.5	14.6	13.9	12.5	12.6	12.7	12.2	11.7
08NOV04	13.0	12.6	12.4	12.2	12.6	11.7	11.1	10.9	10.3	8.9	8.2	7.7	7.6
29NOV04	9.4	9.3	8.4	8.3	9.2	7.6	7.2	6.9	6.3	6.0	6.0	6.0	5.9

Note: Dots (.) indicate no sampling.

Table B-8 Average Annual Temperature (°C) from Long River/Fall Juvenile Surveys, 1974 to 2004

YEAR	TEMPERATURE
1974	21.54
1975	22.10
1976	20.04
1977	20.79
1978	20.16
1979	21.53
1980	21.23
1981	20.96
1982	19.16
1983	19.14
1984	19.22
1985	21.69
1986	21.28
1987	21.41
1988	21.80
1989	20.65
1990	20.97
1991	23.59
1992	21.06
1993	21.01
1994	21.93
1995	21.78
1996	20.18
1997	20.96
1998	22.26
1999	23.17
2000	20.43
2001	21.43
2002	22.07
2003	21.09
2004	21.94

Table B-9 Mean Temperature (°C) by Region and Week from 2004 Beach Seine Survey

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUN04	23.3	23.8	24.5	23.8	22.3	23.7	22.9	21.7	22.0	22.3	23.6	22.5
28JUN04	22.7	22.9	24.5	25.4	23.2	24.2	24.5	23.1	22.1	22.8	23.7	22.5
12JUL04	24.2	24.7	24.5	24.6	24.3	24.6	24.7	24.7	24.1	23.8	23.9	23.7
26JUL04	25.9	25.5	26.1	26.0	24.9	24.4	24.7	24.7	25.7	23.9	24.3	24.0
09AUG04	25.8	25.7	25.7	26.5	26.3	26.1	25.4	24.5	23.9	23.9	24.9	23.8
23AUG04	25.8	25.2	27.3	26.7	24.5	23.9	24.0	22.6	23.2	24.0	22.0	20.7
06SEP04	24.9	24.2	23.7	24.8	23.4	23.3	23.0	22.8	23.3	24.0	23.5	22.2
20SEP04	20.9	20.2	22.3	22.5	20.8	20.1	18.6	17.5	19.1	19.0	17.1	16.5
04OCT04	20.4	18.7	18.6	19.8	17.9	17.1	17.4	16.1	17.4	17.4	16.8	16.0
18OCT04	15.0	14.5	15.1	17.0	15.7	14.7	14.5	13.9	13.2	13.1	13.0	12.6

Table B-10 Average Annual Temperature (°C) from Beach Seine Surveys, 1974 to 2004

YEAR	TEMPERATURE
1974	21.34
1975	21.59
1976	22.21
1977	22.85
1978	23.71
1979	23.05
1980	24.29
1981	21.91
1982	22.73
1983	24.53
1984	23.17
1985	23.38
1986	22.02
1987	23.03
1988	23.16
1989	24.15
1990	24.34
1991	23.63
1992	22.07
1993	23.48
1994	22.39
1995	23.85
1996	24.42
1997	22.41
1998	24.20
1999	23.42
2000	22.32
2001	24.89
2002	24.52
2003	23.69
2004	22.60

Table B-11 Weighted Mean Salinity (ppt) by Region and Week from 2004 Long River/Fall Juvenile Survey

WEEK BEGINNING MONDAY	REGIONS												
	BT	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
01MAR04	18.4	10.8	7.6	5.3	6.3	4.2	1.6	.	.	.	.	.	.
15MAR04	15.0	6.4	3.0	2.6	0.3	0.1	0.1	.	.	.	.	.	.
29MAR04	13.0	8.3	7.1	4.6	1.7	0.1	0.1	.	.	.	.	.	.
05APR04	11.7	6.0	2.9	1.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12APR04	16.5	7.4	2.0	0.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19APR04	13.9	7.6	1.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
26APR04	10.4	5.1	3.6	4.1	2.4	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
03MAY04	19.1	9.9	4.6	1.7	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10MAY04	16.1	7.9	3.3	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17MAY04	17.5	13.8	5.8	2.3	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24MAY04	14.7	8.1	5.5	2.0	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31MAY04	10.6	5.1	2.2	0.8	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
07JUN04	13.6	5.4	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14JUN04	17.3	13.5	6.1	2.7	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
21JUN04	18.2	10.9	6.6	4.4	3.0	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28JUN04	21.3	16.1	9.7	6.5	3.7	0.9	0.6	0.1	0.1	0.1	0.1	0.1	0.2
05JUL04	20.0	13.6	7.8	5.0	3.5	1.2	0.4	0.1	0.1	0.1	0.1	0.2	0.2
12JUL04	21.2	15.6	10.2	7.1	6.0	3.6	1.3	0.1	.	.	.	.	.
19JUL04	16.7	11.1	7.7	5.6	5.0	2.3	0.6	0.1	0.1	0.1	0.2	0.2	0.2
26JUL04	21.6	14.9	8.2	5.0	2.8	1.5	0.6	0.1	.	.	.	.	.
02AUG04	15.0	7.3	4.2	2.9	1.6	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.1
09AUG04	19.9	13.1	6.2	3.3	2.8	1.0	0.3	0.2	.	.	.	.	.
16AUG04	15.1	8.5	4.9	2.8	1.4	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1
23AUG04	18.4	9.0	1.8	0.2	0.2	0.2	0.2	0.1	.	.	.	.	.
30AUG04	10.0	3.7	0.8	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
06SEP04	17.1	10.6	6.8	3.8	2.5	0.8	0.2	0.1	.	.	.	.	.
13SEP04	13.7	8.0	4.2	2.1	1.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20SEP04	13.3	3.9	0.2	0.1	0.1	0.1	0.1	0.1	.	.	.	.	.
27SEP04	10.6	3.9	1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
04OCT04	13.6	6.6	3.1	0.5	0.3	0.1	0.1	0.1	.	.	.	.	.
11OCT04	15.0	10.0	7.0	5.4	4.4	2.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1
25OCT04	21.4	13.4	7.4	5.1	2.8	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.1
08NOV04	15.5	9.3	6.2	4.9	3.3	0.7	0.3	0.1	0.1	0.1	0.1	0.1	0.1
29NOV04	9.2	3.4	0.8	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1

Note: Dots (.) indicate no sampling.

Table B-12 Mean Salinity (ppt) by Region and Week from 2004 Beach Seine Survey

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUN04	4.1	2.7	1.3	0.5	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
28JUN04	8.7	6.4	5.2	4.6	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1
12JUL04	9.4	7.2	5.1	3.7	1.6	0.4	0.1	0.1	0.1	0.1	0.2	0.2
26JUL04	8.1	6.3	4.2	2.5	1.0	0.4	0.1	0.1	0.2	0.2	0.2	0.1
09AUG04	4.5	2.7	1.8	1.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
23AUG04	2.8	2.0	0.5	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2
06SEP04	2.8	2.7	0.6	1.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
20SEP04	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
04OCT04	0.9	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18OCT04	6.3	5.1	3.1	2.0	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1

Table B-13 Weighted Mean Dissolved Oxygen (mg/L) by Region and Week from 2004 Long River/Fall Juvenile Survey

WEEK BEGINNING MONDAY	REGIONS												
	BT	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
01MAR04	10.1	10.6	11.1	12.4	11.3	11.8	12.5	.	.	.	.	.	.
15MAR04	9.9	11.0	12.3	11.5	12.0	12.2	12.4	.	.	.	.	.	.
29MAR04	9.7	9.5	9.6	11.2	11.6	12.2	12.4	.	.	.	.	.	.
05APR04	9.3	10.1	11.3	12.3	11.3	10.6	12.4	12.7	12.2	12.4	12.7	13.2	13.1
12APR04	9.6	10.5	11.3	11.3	12.1	12.4	12.0	11.7	11.4	11.8	11.7	11.3	11.0
19APR04	8.9	9.2	10.2	10.6	10.6	10.7	11.4	12.3	12.3	10.7	11.3	11.3	10.8
26APR04	9.4	9.8	10.0	9.8	10.1	10.9	11.0	10.7	10.1	9.6	10.0	9.9	10.2
03MAY04	7.6	8.5	9.7	9.9	9.8	9.8	9.6	9.1	10.2	10.4	10.5	10.1	10.4
10MAY04	7.4	8.0	8.6	8.7	8.9	9.3	9.3	8.9	8.8	9.7	9.3	9.1	9.1
17MAY04	7.0	7.0	8.0	7.9	8.0	8.5	8.6	9.0	8.9	9.2	9.2	8.3	8.2
24MAY04	6.5	6.7	6.9	7.6	8.3	8.8	8.8	7.2	7.5	8.7	8.0	7.3	7.8
31MAY04	6.3	7.1	7.8	7.9	7.9	8.0	8.1	7.8	8.3	8.4	8.5	8.8	9.2
07JUN04	6.7	7.2	8.3	7.7	7.5	7.9	7.0	7.4	7.8	7.7	8.0	8.3	8.7
14JUN04	6.0	6.0	6.2	6.4	6.1	7.2	7.0	6.9	7.4	8.0	8.2	7.7	8.0
21JUN04	5.7	6.1	6.3	6.0	6.0	6.7	7.5	7.3	7.3	7.7	8.3	8.0	7.3
28JUN04	5.8	5.5	6.5	6.8	6.0	6.6	7.0	7.0	6.6	7.4	7.9	8.1	7.3
05JUL04	4.9	5.5	6.3	6.3	6.3	6.5	7.2	7.2	7.1	7.1	7.5	8.4	7.3
12JUL04	5.1	5.5	5.9	5.8	5.9	6.1	6.7	7.3	.	.	.	.	.
19JUL04	5.5	6.0	6.2	6.2	6.0	6.3	6.9	7.0	6.8	8.4	8.3	9.3	8.9
26JUL04	5.0	5.8	6.8	6.9	6.3	6.8	7.4	7.5	.	.	.	.	.
02AUG04	4.3	5.6	6.5	6.4	6.2	6.3	6.7	6.5	6.6	6.8	7.8	7.8	7.9
09AUG04	5.8	7.3	8.1	6.1	5.8	6.2	6.7	6.7	.	.	.	.	.
16AUG04	4.9	6.2	6.6	6.6	6.2	7.0	6.9	6.8	7.2	7.3	7.3	7.2	7.9
23AUG04	5.8	6.0	7.2	7.1	6.4	6.5	7.2	7.3	.	.	.	.	.
30AUG04	5.1	6.4	7.2	6.6	6.3	6.5	6.4	6.6	6.9	7.2	7.8	7.7	8.0
06SEP04	5.7	6.4	6.6	6.7	6.1	6.3	6.4	6.8	.	.	.	.	.
13SEP04	4.0	4.5	5.2	6.7	7.2	7.7	8.3	7.8	7.8	7.1	7.5	7.0	7.6
20SEP04	5.8	6.9	7.3	7.2	7.2	7.5	7.6	7.7	.	.	.	.	.
27SEP04	5.6	6.6	7.0	7.2	7.1	7.3	7.5	7.4	7.7	7.9	7.9	7.5	6.8
04OCT04	5.8	6.4	6.8	6.9	7.3	7.4	7.5	7.2	.	.	.	.	.
11OCT04	5.9	6.4	6.5	6.4	6.4	6.9	7.6	7.7	8.4	8.1	8.1	7.9	7.8
25OCT04	5.8	6.4	7.2	7.6	7.7	8.2	8.2	8.5	9.2	9.2	8.9	8.5	8.8
08NOV04	7.6	8.3	8.9	7.8	8.2	9.4	9.7	9.8	10.3	10.6	10.3	10.7	10.9
29NOV04	9.3	10.0	10.5	10.6	10.9	11.2	10.9	11.0	11.1	11.4	11.5	11.2	11.9

Note: Dots (.) indicate no sampling.

Table B-14 Average Annual Dissolved Oxygen (mg/l) from Long River/Fall Juvenile Surveys, 1974 to 2004

YEAR	DISSOLVED OXYGEN
1974	7.26
1975	7.69
1976	8.37
1977	7.66
1978	7.86
1979	8.02
1980	7.77
1981	7.82
1982	7.99
1983	8.29
1984	8.64
1985	8.14
1986	8.19
1987	7.79
1988	7.58
1989	7.58
1990	7.77
1991	7.10
1992	7.67
1993	7.59
1994	7.95
1995	7.90
1996	7.95
1997	7.91
1998	7.61
1999	7.56
2000	7.97
2001	7.54
2002	7.51
2003	7.51
2004	7.12

Table B-15 Mean Dissolved Oxygen (mg/L) by Region and Week from 2004 Beach Seine Survey

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUN04	7.1	7.1	7.1	7.1	7.2	7.2	7.5	7.3	7.6	8.0	7.9	7.5
28JUN04	6.2	6.2	6.8	6.5	6.3	6.9	7.6	6.6	6.7	7.5	7.5	6.8
12JUL04	5.9	6.2	5.6	5.1	5.7	6.5	6.3	6.4	6.0	6.0	7.0	6.8
26JUL04	5.9	6.7	6.0	5.5	5.5	5.9	6.3	6.8	6.1	6.6	7.3	6.1
09AUG04	6.6	6.7	6.8	6.7	6.4	7.4	6.7	6.4	6.2	6.7	7.3	6.9
23AUG04	6.6	7.3	7.4	7.2	6.1	6.1	6.2	5.6	7.1	7.7	7.9	7.9
06SEP04	7.1	6.4	7.0	7.1	8.0	7.8	7.8	7.6	7.7	7.9	7.5	7.7
20SEP04	7.3	7.7	7.5	7.1	6.9	7.3	7.1	6.3	7.1	7.3	7.7	7.7
04OCT04	7.3	7.2	7.1	6.7	6.8	7.1	6.5	6.7	8.1	8.3	8.0	8.1
18OCT04	8.0	8.3	8.1	7.5	8.0	8.9	8.1	7.8	8.5	9.2	8.9	8.7

Table B-16 Average Annual Dissolved Oxygen (mg/l) from Beach Seine Surveys, 1974 to 2004

YEAR	DISSOLVED OXYGEN
1974	8.71
1975	7.82
1976	7.89
1977	7.35
1978	7.29
1979	8.61
1980	8.08
1981	8.34
1982	7.85
1983	7.14
1984	8.42
1985	7.98
1986	8.28
1987	8.63
1988	7.95
1989	7.60
1990	7.90
1991	8.82
1992	8.56
1993	7.39
1994	8.33
1995	7.67
1996	6.93
1997	8.44
1998	7.42
1999	7.62
2000	7.38
2001	7.37
2002	6.76
2003	7.09
2004	7.20

Table B-17 Weighted Mean Percent Oxygen Saturation by Region and Week from 2004 Long River/Fall Juvenile Survey

WEEK BEGINNING MONDAY	REGIONS												
	BT	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
01MAR04	88.5	87.8	89.7	97.1	88.4	89.5	91.8	.	.	.	.	.	.
15MAR04	85.5	87.9	94.1	88.0	89.1	87.9	89.1	.	.	.	.	.	.
29MAR04	84.7	81.5	81.4	91.7	92.5	95.6	96.4	.	.	.	.	.	.
05APR04	81.7	84.6	91.9	100.6	92.8	87.2	102.4	103.7	99.2	99.7	100.2	104.5	103.0
12APR04	89.3	92.9	99.0	98.6	102.8	104.1	100.5	95.8	97.0	96.9	95.2	92.7	90.4
19APR04	84.6	86.1	93.5	95.2	92.7	93.1	99.6	107.3	109.7	96.3	102.8	103.6	100.0
26APR04	92.4	93.8	95.2	92.9	94.8	99.0	100.5	98.4	93.1	88.5	92.6	92.5	94.8
03MAY04	81.2	86.4	97.0	95.1	93.1	93.6	92.6	87.5	99.5	102.3	101.1	97.4	100.2
10MAY04	79.6	83.9	88.9	90.3	89.2	92.4	93.4	88.6	87.0	96.6	93.0	89.2	88.7
17MAY04	79.8	78.9	88.0	86.8	86.6	89.9	90.9	94.2	96.1	99.7	100.0	91.0	90.5
24MAY04	76.2	75.5	76.8	83.3	90.5	96.6	97.1	79.7	83.8	97.4	89.4	81.6	86.3
31MAY04	73.3	79.5	87.0	88.6	88.8	88.4	90.1	85.7	89.0	89.0	90.2	92.5	96.0
07JUN04	80.1	83.2	95.9	90.0	85.8	87.1	77.7	80.9	84.1	82.6	85.8	88.9	93.4
14JUN04	74.7	73.5	74.6	76.1	72.5	81.0	79.1	76.7	82.9	89.6	92.0	86.2	89.9
21JUN04	71.8	75.0	75.9	73.1	72.7	77.2	86.8	83.6	83.6	88.1	95.4	93.2	85.7
28JUN04	72.3	68.0	80.2	83.8	73.0	77.7	81.1	81.5	76.0	85.4	91.3	93.8	84.4
05JUL04	63.2	70.4	80.7	79.3	78.6	78.3	85.2	85.6	83.9	83.9	89.5	99.4	87.5
12JUL04	66.4	69.9	74.0	73.1	73.9	75.0	80.3	86.9	.	.	.	.	.
19JUL04	72.9	78.1	79.1	79.6	76.1	77.3	83.1	84.3	82.2	100.8	99.4	111.6	105.9
26JUL04	66.0	75.1	86.5	87.2	77.9	82.8	89.0	90.0	.	.	.	.	.
02AUG04	57.5	73.4	83.6	81.7	78.1	77.0	81.9	79.7	80.8	83.2	93.8	92.5	94.2
09AUG04	76.7	93.6	102.3	77.4	72.4	76.0	81.2	81.5	.	.	.	.	.
16AUG04	63.2	78.1	82.0	81.8	75.8	83.6	82.8	81.7	85.3	86.8	86.7	83.6	91.4
23AUG04	76.5	75.6	88.6	86.7	77.5	77.6	86.4	87.3	.	.	.	.	.
30AUG04	65.3	80.4	88.6	81.5	76.6	78.8	76.6	78.4	81.8	85.4	92.0	90.6	94.8
06SEP04	73.5	80.8	82.2	82.8	73.9	74.4	75.5	79.6	.	.	.	.	.
13SEP04	51.1	56.0	62.4	81.2	86.4	90.2	96.6	90.5	90.8	81.3	86.4	80.5	86.9
20SEP04	71.8	80.5	83.2	82.1	81.2	83.3	84.5	83.6	.	.	.	.	.
27SEP04	67.3	75.9	79.4	82.0	80.1	80.7	81.3	79.2	83.2	85.5	85.1	82.0	74.8
04OCT04	68.8	72.3	75.0	75.6	77.4	77.4	79.2	76.4	.	.	.	.	.
11OCT04	69.4	72.3	71.5	69.9	70.0	72.9	78.7	79.2	84.5	82.1	82.0	79.2	79.3
25OCT04	66.5	68.3	75.3	77.9	77.8	80.6	81.2	82.5	86.3	86.5	83.7	79.7	81.4
08NOV04	79.6	83.7	86.9	75.7	79.0	87.2	88.4	88.8	92.2	91.7	87.1	89.5	91.2
29NOV04	86.1	89.4	89.9	90.8	94.9	93.4	90.6	90.5	89.8	91.6	92.4	89.9	95.1

Note: Dots (.) indicate no sampling.

Table B-18 Mean Percent Oxygen Saturation by Region and Week from 2004 Beach Seine Survey

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUN04	84.9	85.5	85.9	84.7	83.0	84.7	87.2	83.4	86.8	91.5	93.0	86.7
28JUN04	76.1	75.0	84.6	82.0	73.9	82.4	90.9	76.8	76.4	86.5	88.4	78.7
12JUL04	75.1	77.5	69.9	62.1	69.2	77.8	76.4	76.6	71.6	71.4	83.6	80.8
26JUL04	76.9	84.7	76.2	68.2	67.2	71.0	76.4	82.2	75.4	78.3	86.7	73.0
09AUG04	82.8	83.6	83.7	83.7	79.6	90.8	81.1	76.3	73.6	79.4	87.6	81.5
23AUG04	82.8	89.8	93.6	90.2	73.0	72.3	73.4	64.7	83.6	91.8	90.3	88.5
06SEP04	87.7	77.5	83.0	86.7	93.7	91.3	90.7	88.1	90.8	93.5	88.0	88.0
20SEP04	81.9	85.3	86.3	81.8	77.4	80.8	76.2	65.4	76.6	78.3	80.0	79.0
04OCT04	81.5	77.2	76.1	73.8	72.1	73.1	67.4	67.8	84.3	87.0	82.7	82.1
18OCT04	83.0	84.4	82.5	78.8	81.2	87.8	79.9	76.1	81.3	87.6	84.7	82.3

Table B-19 Weighted Mean Conductivity (mS/cm @ 25°C) by Region and Week from 2004 Long River/Fall Juvenile Survey

WEEK BEGINNING MONDAY	REGIONS												
	BT	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
01MAR04	29.8	18.0	13.0	9.2	10.8	7.2	2.8	.	.	.	.	.	.
15MAR04	24.7	10.9	5.1	4.6	0.5	0.2	0.2	.	.	.	.	.	.
29MAR04	21.2	13.8	11.9	7.8	2.9	0.3	0.3	.	.	.	.	.	.
05APR04	19.5	10.4	5.1	2.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12APR04	26.8	12.5	3.6	1.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
19APR04	23.1	12.9	2.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26APR04	17.1	8.8	6.3	7.0	4.1	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2
03MAY04	31.0	16.7	7.9	3.0	1.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10MAY04	26.2	13.4	5.7	0.8	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17MAY04	28.5	22.9	10.1	4.0	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3
24MAY04	24.0	13.6	9.3	3.6	0.8	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
31MAY04	17.9	8.8	3.9	1.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
07JUN04	22.6	9.4	1.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14JUN04	28.2	22.5	10.5	4.8	2.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21JUN04	29.5	18.4	11.4	7.7	5.3	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28JUN04	34.1	26.4	16.5	11.2	6.4	1.7	1.0	0.2	0.2	0.2	0.2	0.2	0.3
05JUL04	32.3	22.7	13.4	8.7	6.2	2.1	0.7	0.3	0.2	0.2	0.2	0.3	0.3
12JUL04	34.0	25.6	17.2	12.2	10.3	6.3	2.3	0.2	.	.	.	.	.
19JUL04	27.4	18.8	13.3	9.7	8.6	4.1	1.0	0.2	0.2	0.2	0.3	0.3	0.3
26JUL04	34.7	24.6	14.0	8.7	5.0	2.6	1.1	0.3	.	.	.	.	.
02AUG04	24.7	12.6	7.3	5.1	2.8	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.2
09AUG04	32.1	21.8	10.7	5.8	4.8	1.8	0.5	0.3	.	.	.	.	.
16AUG04	24.9	14.5	8.4	4.9	2.4	0.5	0.3	0.3	0.3	0.2	0.2	0.3	0.2
23AUG04	29.8	15.2	3.2	0.4	0.3	0.3	0.3	0.2	.	.	.	.	.
30AUG04	16.8	6.5	1.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2
06SEP04	27.6	17.5	11.5	6.6	4.4	1.5	0.3	0.2	.	.	.	.	.
13SEP04	22.8	13.7	7.3	3.6	2.1	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
20SEP04	21.8	6.8	0.3	0.2	0.2	0.2	0.2	0.2	.	.	.	.	.
27SEP04	17.9	6.9	3.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
04OCT04	22.2	11.2	5.3	0.9	0.6	0.2	0.2	0.2	.	.	.	.	.
11OCT04	24.9	16.9	12.0	9.4	7.6	4.2	0.7	0.2	0.2	0.2	0.2	0.3	0.2
25OCT04	34.3	22.3	12.7	9.0	4.9	0.8	0.5	0.2	0.3	0.3	0.3	0.3	0.3
08NOV04	25.5	15.8	10.6	8.5	5.7	1.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2
29NOV04	15.4	6.0	1.4	0.5	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2

Note: Dots (.) indicate no sampling.

Table B-20 Mean Conductivity (mS/cm @ 25°C) by Region and Week from 2004 Beach Seine Survey

WEEK BEGINNING MONDAY	REGIONS											
	YK	TZ	CH	IP	WP	CW	PK	HP	KG	SG	CS	AL
14JUN04	7.2	4.7	2.2	1.0	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
28JUN04	14.9	11.1	9.1	8.0	1.1	0.4	0.2	0.2	0.2	0.2	0.2	0.3
12JUL04	16.0	12.3	8.9	6.4	2.7	0.7	0.2	0.2	0.2	0.2	0.3	0.3
26JUL04	13.9	11.0	7.4	4.4	1.8	0.7	0.3	0.2	0.3	0.3	0.3	0.3
09AUG04	7.8	4.7	3.1	2.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
23AUG04	5.0	3.5	0.9	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
06SEP04	5.0	4.7	1.0	1.9	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
20SEP04	1.4	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
04OCT04	1.6	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
18OCT04	10.9	8.9	5.4	3.6	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.3