

Appendix Table 1.3-1. Data collected from the American Eel young-of-the-year survey using a modified Irish elver trap in the Lamprey River, Newmarket, New Hampshire, 2019.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
5/7/2019	24.00	11	New	486	good	0	0	0.0
5/8/2019	24.00	12	New	413	good	0	0	0.0
5/9/2019	24.00	13	New	358	good	0	1	0.0
5/10/2019	23.50	14	First	328	good	1	0	0.0
5/13/2019	22.50	14	First	289	good	13	4	0.8
5/14/2019	21.50	13	First	388	good	0	0	0.0
5/15/2019	28.25	11	First	430	good	2	2	0.1
5/16/2019	23.75	11	First	418	good	0	0	0.0
5/20/2019	24.00	14	Full	277	good	0	0	0.0
5/21/2019	24.00	14	Full	244	good	1	0	0.0
5/22/2019	24.50	16	Full	213	good	1	1	0.1
5/23/2019	27.50	16	Full	184	good	0	0	0.0
5/28/2019	18.50	16	Last	143	good	14	14	1.5
5/29/2019	20.50	16	Last	203	good	3	1	0.2
5/30/2019	29.00	15	Last	224	good	0	0	0.0
5/31/2019	22.00	15	New	222	good	0	1	0.0
6/3/2019	26.00	16	New	174	good	1	0	0.0
6/4/2019	27.00	16	New	164	good	0	0	0.0
6/5/2019	21.50	15	New	149	good	1	0	0.0
6/6/2019	26.50	17	New	381	good	0	0	0.0
6/10/2019	21.50	20	First	268	good	0	0	0.0
6/12/2019	24.00	19	First	239	good	11	0	0.5
6/13/2019	25.00	18	First	225	good	3	2	0.2
6/14/2019	23.00	17	First	236	good	4	0	0.2
6/17/2019	18.75	18	First	191	good	4	0	0.2
6/18/2019	25.00	18	Full	173	good	14	1	0.6
6/19/2019	22.00	19	Full	155	good	19	0	0.9
6/20/2019	25.00	19	Full	145	good	22	1	0.9
6/24/2019	21.25	20	Last	131	good	48	4	2.4
6/25/2019	26.75	21	Last	110	good	134	0	5.0
6/26/2019	25.50	22	Last	123	good	47	1	1.9
6/27/2019	21.00	22	Last	122	good	67	0	3.2
7/1/2019	20.00	21	New	148	good	156	3	8.0
7/2/2019	22.25	21	New	145	good	79	1	3.6
7/3/2019	25.25	20	New	122	good	23	1	1.0
7/4/2019	24.00	21	New	97	good	12	0	0.5
7/9/2019	24.00	24	First	56	good	9	0	0.4
7/10/2019	24.00	24	First	48	good	9	0	0.4
7/11/2019	26.00	25	First	46	good	7	0	0.3
7/12/2019	20.50	25	Full	79	good	7	0	0.3
7/16/2019	21.00	24	Full	61	good	2	0	0.1
7/17/2019	24.00	24	Full	50	good	2	0	0.1
7/18/2019	24.00	24	Full	44	good	1	0	0.0
7/19/2019	24.00	24	Full	40	good	0	0	0.0

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-2. Data collected from the American Eel young-of-the-year survey using a box trap in the Oyster River, Durham, New Hampshire, 2019.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/30/2019	26.00	10	Last	46	good	0	0	0.0
5/1/2019	24.00	10	Last	39	good	0	0	0.0
5/2/2019	24.00	10	New	45	good	0	0	0.0
5/3/2019	24.00	10	New	42	good	0	0	0.0
5/7/2019	24.00	11	New	28	good	0	0	0.0
5/8/2019	24.00	11	First	25	good	0	0	0.0
5/9/2019	24.00	12	First	21	good	0	0	0.0
5/10/2019	23.25	13	First	21	good	0	0	0.0
5/14/2019	24.75	9	First	37	good	0	0	0.0
5/15/2019	23.25	10	First	31	good	0	0	0.0
5/16/2019	25.75	10	Full	24	good	0	0	0.0
5/17/2019	22.50	10	Full	24	good	0	0	0.0
5/21/2019	23.75	14	Full	14	good	0	0	0.0
5/22/2019	24.00	14	Full	12	good	1	0	0.0
5/23/2019	24.25	14	First	10	good	2	1	0.1
5/24/2019	27.50	14	First	13	good	0	0	0.0
5/28/2019	22.50	16	First	11	good	0	0	0.0
5/29/2019	25.00	14	First	25	good	0	0	0.0
5/30/2019	24.50	12	New	16	good	1	0	0.0
5/31/2019	24.00	12	New	14	good	1	0	0.0
6/4/2019	23.50	14	New	9	good	0	1	0.0
6/5/2019	23.50	15	New	7	good	0	0	0.0
6/6/2019	25.00	15	New	84	good	0	0	0.0
6/7/2019	23.50	15	First	46	good	0	0	0.0
6/11/2019	24.50	18	First	26	good	0	1	0.0
6/12/2019	23.50	18	First	21	good	0	1	0.0
6/13/2019	24.50	17	First	18	good	0	1	0.0
6/14/2019	22.25	14	Full	22	good	0	0	0.0
6/18/2019	24.75	18	Full	11	good	1	1	0.1
6/19/2019	23.25	18	Full	9	good	1	0	0.0
6/20/2019	24.00	18	Full	9	good	0	1	0.0
6/21/2019	24.00	16	Full	12	good	0	1	0.0
6/25/2019	23.75	18	Last	5	good	7	1	0.3
6/26/2019	24.00	18	Last	7	good	6	0	0.3
6/27/2019	26.00	17	Last	6	good	3	0	0.1
6/28/2019	22.75	20	Last	5	good	4	1	0.2
7/2/2019	24.00	18	New	7	good	0	0	0.0
7/3/2019	24.50	18	New	6	fair	2	0	0.1
7/4/2019	26.50	20	New	5	good	0	0	0.0
7/5/2019	21.00	20	New	4	good	0	0	0.0
7/9/2019	24.25	20	First	5	good	0	0	0.0
7/10/2019	24.00	20	First	7	good	0	0	0.0
7/11/2019	24.00	20	First	7	good	0	0	0.0
7/12/2019	24.00	20	First	21	good	0	0	0.0

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-3. Data collected from the American Eel young-of-the-year survey using a modified Irish elver trap in the Lamprey River, Newmarket, New Hampshire, 2020.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
5/5/2020	23.83	12	Full	474	good	0	0	0.0
5/6/2020	23.92	11	Full	394	good	0	0	0.0
5/7/2020	24.00	11	Full	333	good	0	0	0.0
5/8/2020	24.50	11	Full	290	good	40	1	1.7
5/12/2020	24.00	8	Last	283	good	3	0	0.1
5/13/2020	24.00	8	Last	281	good	101	2	4.3
5/14/2020	23.50	11	Last	264	good	277	0	11.8
5/15/2020	24.50	11	Last	239	good	204	1	8.4
5/18/2020	24.00	14	Last	260	good	2172	38	92.1
5/19/2020	21.00	14	New	228	good	4490	39	215.7
5/20/2020	23.00	16	New	203	good	2863	31	125.8
5/21/2020	25.00	16	New	181	good	1524	12	61.4
5/25/2020	20.00	15	New	112	good	264	8	13.6
5/26/2020	24.50	15	New	104	good	204	12	8.8
5/27/2020	24.50	17	First	106	good	142	14	6.4
5/28/2020	27.00	18	First	101	good	394	49	16.4
6/1/2020	20.50	20	First	63	good	175	37	10.3
6/2/2020	26.50	18	Full	56	good	170	21	7.2
6/3/2020	22.50	18	Full	52	good	142	11	6.8
6/4/2020	29.00	19	Full	48	good	138	9	5.1
6/8/2020	26.00	19	Full	39	good	90	3	3.6
6/9/2020	26.00	18	Full	35	good	41	0	1.6
6/10/2020	19.50	18	Last	33	good	22	0	1.1
6/11/2020	22.75	18	Last	32	good	29	0	1.3
6/15/2020	22.50	19	Last	25	good	12	0	0.5
6/16/2020	22.00	20	Last	25	good	14	0	0.6
6/17/2020	24.00	20	Last	24	good	11	1	0.5
6/18/2020	26.00	21	New	25	good	30	2	1.2
6/23/2020	26.00	25	New	16	good	58	4	2.4
6/24/2020	21.00	25	New	17	good	56	1	2.7
6/25/2020	25.00	25	New	16	good	32	2	1.4
6/26/2020	20.00	25	First	16	good	22	0	1.1
6/30/2020	25.75	20	First	41	good	24	0	0.9
7/1/2020	24.00	20	First	127	good	16	1	0.7
7/2/2020	23.25	20	Full	85	good	14	3	0.7
7/3/2020	24.00	21	Full	59	good	0	0	0.0
7/7/2020	23.50	21	Full	36	good	8	2	0.4
7/8/2020	22.25	21	Full	34	good	1	1	0.1
7/9/2020	23.75	22	Full	32	good	0	0	0.0
7/10/2020	24.00	22	Last	29	good	0	0	0.0

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-4. Data collected from the American Eel young-of-the-year survey using a box trap in the Oyster River, Durham, New Hampshire, 2020.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
5/5/2020	23.75	10	Full	26	good	0	0	0.00
5/6/2020	23.75	10	Full	22	good	0	0	0.00
5/7/2020	24.00	9	Full	20	good	0	0	0.00
5/8/2020	24.00	10	Full	18	good	0	0	0.00
5/12/2020	24.00	7	Last	24	good	0	0	0.00
5/13/2020	24.00	8	Last	17	good	0	0	0.00
5/14/2020	23.50	8	Last	15	good	0	1	0.04
5/15/2020	24.50	11	Last	16	good	0	0	0.00
5/18/2020	24.00	13	Last	15	good	0	0	0.00
5/19/2020	21.00	12	New	13	good	1	0	0.05
5/20/2020	23.00	15	New	12	good	1	0	0.04
5/21/2020	25.00	15	New	10	good	0	0	0.00
5/25/2020	24.00	14	New	8	good	1	1	0.08
5/26/2020	24.50	14	New	7	good	3	0	0.12
5/27/2020	24.50	16	First	7	good	1	0	0.04
5/28/2020	27.00	17	First	6	good	9	8	0.63
6/1/2020	20.50	18	First	4	good	24	15	1.90
6/2/2020	26.50	16	Full	4	good	4	5	0.34
6/3/2020	22.50	17	Full	3	good	3	4	0.31
6/4/2020	29.00	17	Full	3	good	15	6	0.72
6/8/2020	26.00	18	Full	3	good	25	4	1.12
6/9/2020	26.00	17	Full	4	good	18	0	0.69
6/10/2020	20.50	19	Last	2	good	14	1	0.73
6/11/2020	22.50	18	Last	3	good	12	0	0.53
6/15/2020	22.50	19	Last	2	good	14	0	0.62
6/16/2020	22.00	20	Last	2	good	9	4	0.59
6/17/2020	24.00	20	Last	2	good	6	3	0.38
6/18/2020	24.50	20	New	3	good	32	4	1.47
6/23/2020	26.00	23	New	1	good	2	0	0.08
6/24/2020	21.00	24	New	1	good	1	0	0.05
6/25/2020	25.00	24	New	2	good	0	0	0.00
6/26/2020	20.00	24	First	2	good	0	0	0.00
6/30/2020	25.33	19	First	16	good	2	0	0.08
7/1/2020	23.92	18	First	35	good	0	0	0.00
7/2/2020	23.67	20	Full	9	good	0	0	0.00
7/3/2020	23.83	20	Full	6	good	0	0	0.00
7/7/2020	23.33	23	Full	4	good	0	0	0.00
7/8/2020	21.67	21	Full	3	good	0	0	0.00
7/9/2020	24.00	22	Full	2	good	0	0	0.00
7/10/2020	24.00	22	Last	2	good	0	0	0.00

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-5. Data collected from the American Eel young-of-the-year survey using a modified Irish elver trap in the Lamprey River, Newmarket, New Hampshire, 2021.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/27/2021	23.50	10	Full	140	good	0	0	0.00
4/28/2021	24.00	9	Full	134	good	0	0	0.00
4/29/2021	24.00	9	Full	160	good	0	0	0.00
4/30/2021	24.00	10	Last	283	good	0	0	0.00
5/3/2021	20.00	10	Last	278	good	0	0	0.00
5/4/2021	24.00	12	Last	237	good	0	0	0.00
5/5/2021	24.00	11	Last	298	good	0	0	0.00
5/6/2021	24.75	11	Last	410	good	0	0	0.00
5/11/2021	20.75	13	New	208	good	1	0	0.05
5/12/2021	24.25	12	New	178	good	0	0	0.00
5/13/2021	26.25	12	New	158	good	1	0	0.04
5/14/2021	22.25	13	New	140	good	0	0	0.00
5/17/2021	26.50	14	First	99	good	94	14	4.08
5/18/2021	21.75	15	First	90	good	126	25	6.94
5/19/2021	19.75	17	First	82	good	184	37	11.19
5/20/2021	27.00	16	First	74	good	202	67	9.96
5/25/2021	25.00	20	Full	46	good	192	27	8.76
5/26/2021	21.00	20	Full	43	good	72	15	4.14
5/27/2021	22.00	18	Full	41	good	131	17	6.73
5/28/2021	25.00	17	Full	38	good	393	20	16.52
6/2/2021	21.75	13	Last	244	good	0	0	0.00
6/3/2021	27.50	15	Last	186	good	0	0	0.00
6/4/2021	20.00	18	Last	134	good	0	1	0.05
6/5/2021	26.00	19	Last	106	good	0	0	0.00
6/8/2021	23.50	23	New	61	good	8	2	0.43
6/9/2021	18.50	25	New	52	good	6	1	0.38
6/10/2021	25.50	24	New	46	good	59	2	2.39
6/11/2021	26.00	23	New	42	good	70	2	2.77
6/14/2021	24.00	22	First	38	good	9	1	0.42
6/15/2021	24.00	23	First	42	good	6	1	0.29
6/16/2021	26.00	23	First	51	good	1	0	0.04
6/17/2021	20.00	23	First	49	good	8	1	0.45
6/22/2021	19.00	24	Full	29	good	101	7	5.68
6/23/2021	25.00	24	Full	27	good	64	7	2.84
6/24/2021	22.00	24	Full	25	good	82	0	3.73
6/25/2021	25.00	24	Full	22	good	31	0	1.24
6/29/2021	20.00	26	Last	15	good	40	4	2.20
6/30/2021	24.00	26	Last	16	good	71	4	3.13
7/1/2021	29.00	26	Last	16	good	46	2	1.66
7/2/2021	20.50	24	Last	34	good	31	0	1.51
7/6/2021	28.50	20	New	264	good	0	0	0.00
7/7/2021	22.50	20	New	215	good	0	0	0.00
7/8/2021	23.50	21	New	166	good	2	1	0.13
7/9/2021	23.50	20	New	371	good	0	0	0.00

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-6. Data collected from the American Eel young-of-the-year survey using a box trap in the Oyster River, Durham, New Hampshire, 2021.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/27/2021	23.50	10	Full	9	good	0	0	0.00
4/28/2021	24.00	10	Full	9	good	0	0	0.00
4/29/2021	24.00	9	Full	14	good	0	0	0.00
4/30/2021	24.00	10	Last	32	good	0	0	0.00
5/3/2021	23.25	10	Last	15	good	0	0	0.00
5/4/2021	28.25	10	Last	15	good	0	1	0.04
5/5/2021	21.00	10	Last	34	good	0	0	0.00
5/6/2021	24.00	10	Last	36	good	0	0	0.00
5/10/2021	24.75	10	New	15	good	0	0	0.00
5/11/2021	24.00	11	New	14	good	0	0	0.00
5/12/2021	24.00	12	New	12	good	0	0	0.00
5/13/2021	24.00	12	New	29	good	0	0	0.00
5/18/2021	22.00	16	First	6	good	0	0	0.00
5/19/2021	21.25	16	First	7	good	0	1	0.05
5/20/2021	26.00	18	First	6	good	0	0	0.00
5/21/2021	18.75	16	First	5	good	0	1	0.05
5/25/2021	20.50	18	Full	3	good	0	0	0.00
5/26/2021	33.00	20	Full	3	good	0	0	0.00
5/27/2021	17.75	20	Full	3	good	0	0	0.00
5/28/2021	24.00	16	Full	3	good	0	1	0.04
6/1/2021	18.00	9	Last	18	good	0	0	0.00
6/2/2021	30.50	16	Last	12	good	0	0	0.00
6/3/2021	20.25	17	Last	6	fair	0	0	0.00
6/4/2021	27.75	19	Last	7	fair	0	0	0.00
6/8/2021	22.75	24	New	3	good	0	0	0.00
6/9/2021	26.25	24	New	3	good	1	1	0.08
6/10/2021	19.75	20	New	3	good	6	0	0.30
6/11/2021	26.00	20	New	3	good	3	0	0.12
6/15/2021	18.75	19	First	3	good	0	0	0.00
6/16/2021	27.00	19	First	4	good	0	0	0.00
6/17/2021	21.00	17	First	3	good	3	0	0.14
6/18/2021	27.00	20	First	2	good	3	0	0.11
6/22/2021	18.25	22	Full	1	good	1	0	0.05
6/23/2021	26.50	21	Full	2	good	1	0	0.04
6/24/2021	19.75	19	Full	2	good	3	0	0.15
6/25/2021	26.25	21	Full	1	fair	2	0	0.08
6/29/2021	25.75	26	Last	1	good	2	0	0.08
6/30/2021	27.75	28	Last	1	good	0	0	0.00
7/1/2021	15.50	24	Last	1	good	0	0	0.00
7/2/2021	26.75	20	Last	4	good	0	0	0.00
7/6/2021	26.00	20	New	6	good	0	0	0.00
7/7/2021	22.50	20	New	4	good	0	0	0.00
7/8/2021	23.50	20	New	4	good	0	0	0.00
7/9/2021	24.00	20	New	67	good	0	0	0.00

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-7. Data collected from the American Eel young-of-the-year survey using a modified Irish elver trap in the Lamprey River, Newmarket, New Hampshire, 2022.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/19/2022	24.00	6	Full	536	good	0	0	0.00
4/20/2022	24.00	7	Last	644	good	0	0	0.00
4/21/2022	24.00	8	Last	603	good	0	0	0.00
4/22/2022	24.00	9	Last	458	good	0	0	0.00
4/26/2022	24.00	9	Last	247	good	0	0	0.00
4/27/2022	30.00	9	New	286	good	63	1	2.13
4/28/2022	18.50	10	New	312	good	668	4	36.32
4/29/2022	22.50	9	New	290	good	48	0	2.13
5/3/2022	25.50	9	New	226	good	6,125	8	240.51
5/4/2022	23.00	10	First	270	good	17,390	6	756.35
5/5/2022	23.00	10	First	309	good	27,438	11	1,193.43
5/6/2022	24.50	11	First	301	good	20,248	6	826.69
5/9/2022	22.25	11	First	192	good	4,124	3	185.48
5/10/2022	23.50	10	First	171	good	181	2	7.79
5/11/2022	25.00	13	First	156	good	11	0	0.44
5/12/2022	24.25	12	Full	144	good	17	0	0.70
5/16/2022	24.00	17	Full	137	good	11,663	37	487.50
5/17/2022	21.00	17	Full	150	good	998	3	47.67
5/18/2022	24.00	16	Full	148	good	2,955	7	123.42
5/19/2022	21.00	14	Full	136	good	2,559	16	122.62
5/23/2022	24.00	18	Last	149	good	17	5	0.92
5/24/2022	25.00	17	Last	146	good	10	6	0.64
5/25/2022	25.00	16	Last	133	good	5	2	0.28
5/26/2022	20.25	15	Last	108	good	1	2	0.15
5/31/2022	24.00	18	New	82	good	2	1	0.13
6/1/2022	24.00	17	New	73	good	0	0	0.00
6/2/2022	24.00	16	New	80	good	0	0	0.00
6/3/2022	24.00	16	New	101	good	0	0	0.00
6/7/2022	27.00	16	First	98	good	0	0	0.00
6/8/2022	24.00	15	First	90	good	0	0	0.00
6/9/2022	26.00	16	First	132	good	0	0	0.00
6/10/2022	24.00	16	First	251	good	0	0	0.00
6/14/2022	28.00	18	Full	143	good	0	0	0.00
6/15/2022	24.50	19	Full	128	good	0	0	0.00
6/16/2022	24.00	23	Full	109	good	0	0	0.00
6/17/2022	25.75	23	Full	90	good	0	0	0.00
6/21/2022	29.75	22	Last	48	good	0	0	0.00
6/22/2022	24.25	22	Last	44	good	0	0	0.00
6/23/2022	24.00	21	Last	40	good	0	0	0.00
6/24/2022	24.00	21	Last	36	good	0	0	0.00
6/28/2022	25.50	22	New	25	good	0	0	0.00
6/29/2022	25.00	21	New	23	good	0	0	0.00
6/30/2022	29.00	22	New	20	good	0	0	0.00
7/1/2022	18.00	22	New	19	good	0	0	0.00

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-8. Data collected from the American Eel young-of-the-year survey using a box trap in the Oyster River, Durham, New Hampshire, 2022.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/19/2022	24.00	7	Full	89	good	0	0	0.00
4/20/2022	24.00	7	Last	61	good	0	0	0.00
4/21/2022	24.00	7	Last	42	good	0	0	0.00
4/22/2022	24.00	9	Last	34	good	0	0	0.00
4/26/2022	19.50	9	Last	21	good	0	0	0.00
4/27/2022	31.00	8	New	30	good	0	0	0.00
4/28/2022	17.50	7	New	24	good	0	0	0.00
4/29/2022	22.50	7	New	20	good	0	0	0.00
5/3/2022	25.50	9	New	21	good	0	0	0.00
5/4/2022	23.00	9	First	23	good	1	1	0.09
5/5/2022	23.25	9	First	25	good	0	0	0.00
5/6/2022	24.75	9	First	20	good	0	0	0.00
5/10/2022	27.00	10	First	12	good	0	1	0.04
5/11/2022	27.00	11	First	11	good	0	0	0.00
5/12/2022	17.00	13	Full	10	good	0	0	0.00
5/13/2022	25.00	13	Full	10	good	0	0	0.00
5/17/2022	21.75	16	Full	13	good	0	2	0.09
5/18/2022	24.00	15	Full	9	good	0	0	0.00
5/19/2022	24.00	13	Full	8	good	0	0	0.00
5/20/2022	26.00	12	Last	10	good	0	0	0.00
5/24/2022	21.25	15	Last	11	good	12	5	0.80
5/25/2022	22.25	15	Last	8	good	4	0	0.18
5/26/2022	27.25	14	Last	7	good	1	0	0.04
5/27/2022	28.50	16	New	6	good	3	1	0.14
5/31/2022	23.75	16	New	6	good	0	0	0.00
6/1/2022	22.25	15	New	7	good	0	0	0.00
6/2/2022	24.00	13	New	8	good	0	0	0.00
6/3/2022	24.00	14	New	19	good	0	0	0.00
6/7/2022	22.50	14	First	10	good	1	0	0.04
6/8/2022	21.25	14	First	14	good	0	0	0.00
6/9/2022	30.00	15	First	33	good	0	0	0.00
6/10/2022	19.25	15	First	31	good	0	0	0.00
6/14/2022	21.75	17	Full	11	good	0	0	0.00
6/15/2022	22.00	17	Full	8	good	0	0	0.00
6/16/2022	26.00	19	Full	7	good	0	0	0.00
6/17/2022	23.25	19	Full	7	good	0	0	0.00
6/21/2022	29.50	21	Last	4	good	0	0	0.00
6/22/2022	25.00	22	Last	4	good	0	0	0.00
6/23/2022	23.00	22	Last	4	good	0	0	0.00
6/24/2022	24.00	22	Last	6	good	0	0	0.00
6/28/2022	24.75	21	New	2	good	0	0	0.00
6/29/2022	25.00	22	New	2	good	0	0	0.00
6/30/2022	29.00	22	New	2	good	0	0	0.00
7/1/2022	17.25	22	New	1	good	0	0	0.00

^a Moon phase in bold is the actual day of that moon phase.

^b Provisional data subject to revision (<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-9.

Data collected from the American Eel young-of-the-year survey using a modified Irish elver trap in the Lamprey River, Newmarket, New Hampshire, 2023.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/11/2023	24.00	9	Last	324	good	0	0	0.00
4/12/2023	24.00	10	Last	294	good	0	0	0.00
4/13/2023	30.50	12	Last	271	good	0	0	0.00
4/14/2023	17.50	12	Last	251	good	44	0	2.51
4/18/2023	25.00	14	New	200	good	1,610	11	64.84
4/19/2023	26.00	13	New	187	good	8,665	29	334.38
4/20/2023	25.00	14	New	171	good	31,425	36	1,258.44
4/21/2023	21.50	13	New	157	good	27,483	17	1,279.07
4/25/2023	26.25	10	First	800	good	1	0	0.04
4/26/2023	24.75	11	First	803	good	0	0	0.00
4/27/2023	20.00	11	First	648	good	0	2	0.10
4/28/2023	31.75	12	First	513	good	0	2	0.06
5/2/2023	21.00	12	Full	2,260	good	0	2	0.10
5/3/2023	23.75	12	Full	2,520	fair	0	0	0.00
5/4/2023	25.00	11	Full	1,950	good	0	0	0.00
5/5/2023	26.25	11	Full	1,510	good	0	0	0.00
5/9/2023	21.50	16	Last	534	good	0	5	0.23
5/10/2023	27.00	15	Last	422	good	1	7	0.30
5/11/2023	22.00	16	Last	371	good	0	5	0.23
5/12/2023	23.00	18	Last	337	good	0	5	0.22
5/15/2023	27.00	18	Last	223	good	1	8	0.33
5/16/2023	21.25	17	New	198	good	1	1	0.09
5/17/2023	24.75	15	New	176	good	0	1	0.04
5/18/2023	23.75	15	New	158	good	1	1	0.08
5/22/2023	26.00	15	New	641	good	0	0	0.00
5/23/2023	23.50	15	New	586	good	0	0	0.00
5/24/2023	24.00	14	First	421	good	0	0	0.00
5/25/2023	23.50	14	First	350	good	0	0	0.00
5/30/2023	23.00	19	First	161	fair	0	0	0.00
5/31/2023	22.00	20	Full	138	good	3	1	0.18
6/1/2023	25.50	20	Full	123	good	763	8	30.24
6/2/2023	24.50	20	Full	114	good	2,153	17	88.57
6/6/2023	20.75	17	Full	147	good	6	0	0.29
6/7/2023	24.50	16	Last	137	good	1	0	0.04
6/8/2023	23.75	16	Last	124	good	0	0	0.00
6/9/2023	24.75	16	Last	114	good	0	0	0.00
6/13/2023	24.50	18	Last	142	good	0	0	0.00
6/14/2023	24.00	19	Last	146	good	0	0	0.00
6/15/2023	24.00	19	New	181	good	0	0	0.00
6/16/2023	25.50	19	New	177	fair	0	0	0.00
6/19/2023	27.00	16	New	437	good	0	0	0.00
6/20/2023	24.50	17	New	362	good	0	0	0.00
6/21/2023	22.25	16	New	286	good	0	0	0.00
6/22/2023	26.00	18	New	224	good	0	0	0.00
6/27/2023	22.00	20	First	195	good	0	2	0.09
6/28/2023	24.25	22	First	309	good	1	0	0.04
6/29/2023	26.50	22	First	583	good	0	3	0.11
6/30/2023	23.25	22	Full	570	good	9	4	0.56

^a Moon phase in bold is the actual day of that moon phase.^b Provisional data subject to revision(<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>).

Appendix Table 1.3-10.

Data collected from the American Eel young-of-the-year survey using a box trap in the Oyster River, Durham, New Hampshire, 2023.

Date	Soak time (h)	Freshwater temperature (°C)	Moon phase ^a	Daily mean discharge (ft ³ /s) ^b	Ramp performance	Number of eels		CPUE (# eels/hr soak time)
						Glass	Age-1+	
4/11/2023	23.50	9	Last	19	good	0	0	0.00
4/12/2023	24.00	10	Last	18	good	0	0	0.00
4/13/2023	30.50	12	Last	16	good	0	0	0.00
4/14/2023	17.50	12	Last	16	good	0	0	0.00
4/18/2023	23.25	13	New	14	good	234	1	10.11
4/19/2023	25.25	13	New	12	good	48	0	1.90
4/20/2023	27.75	15	New	10	good	43	0	1.55
4/21/2023	22.00	13	New	9	good	63	3	3.00
4/25/2023	23.50	10	First	52	good	4	0	0.17
4/26/2023	24.75	11	First	39	good	19	0	0.77
4/27/2023	20.25	11	First	31	good	14	0	0.69
4/28/2023	31.50	10	First	23	good	5	1	0.19
5/2/2023	20.75	12	Full	153	good	13	1	0.67
5/3/2023	23.00	12	Full	117	good	2	0	0.09
5/4/2023	23.50	11	Full	79	good	0	0	0.00
5/5/2023	28.00	11	Full	61	good	0	0	0.00
5/8/2023	24.50	16	Full	33	good	14	0	0.57
5/9/2023	24.00	16	Last	28	good	6	0	0.25
5/10/2023	27.00	15	Last	25	good	3	0	0.11
5/11/2023	21.25	15	Last	22	good	1	0	0.05
5/16/2023	22.25	16	New	13	good	0	1	0.04
5/17/2023	24.00	13	New	12	good	0	0	0.00
5/18/2023	24.00	15	New	10	good	0	1	0.04
5/19/2023	23.25	16	New	9	good	0	0	0.00
5/22/2023	24.00	16	New	33	good	0	0	0.00
5/23/2023	23.25	14	New	22	good	0	0	0.00
5/24/2023	24.00	14	First	17	good	0	0	0.00
5/25/2023	24.25	14	First	19	good	0	0	0.00
5/30/2023	22.50	18	First	11	poor	0	0	0.00
5/31/2023	22.75	18	Full	10	good	0	0	0.00
6/1/2023	25.50	19	Full	9	good	2	0	0.08
6/2/2023	19.75	19	Full	7	good	3	0	0.15
6/6/2023	20.75	15	Full	8	good	0	0	0.00
6/7/2023	24.75	16	Last	6	good	0	0	0.00
6/8/2023	23.25	16	Last	5	good	0	0	0.00
6/9/2023	24.00	16	Last	5	good	0	0	0.00
6/13/2023	22.00	17	Last	16	good	0	0	0.00
6/14/2023	29.50	18	Last	13	good	0	0	0.00
6/15/2023	23.50	18	New	19	good	0	0	0.00
6/16/2023	21.75	19	New	12	good	1	0	0.05
6/20/2023	22.50	15	New	26	good	0	0	0.00
6/21/2023	26.00	15	New	20	good	0	0	0.00
6/22/2023	24.00	14	New	16	good	0	0	0.00
6/23/2023	19.50	15	First	13	good	0	0	0.00
6/27/2023	20.50	19	First	17	good	0	0	0.00
6/28/2023	23.75	20	First	29	good	0	0	0.00
6/29/2023	28.50	21	First	40	good	0	0	0.00
6/30/2023	23.25	21	Full	22	good	1	0	0.04

^a Moon phase in bold is the actual day of that moon phase.^b Provisional data subject to revision<http://waterdata.usgs.gov/nh/nwis/current/?type=flow>