

Appendix Table1.2-1. Mean length by sex, week and season, count (N), and standard error (SE) of rainbow smelt caught from the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers in New Hampshire, 2014.

River	Sex	Week	Mean length (mm)	N	SE
Oyster	Male	4/4/2014	152.8	6	16.2
		4/9/2014	128.2	10	7.3
		4/16/2014	146.5	4	22.5
	Female	4/4/2014	116.0	1	N/A
		4/9/2014	137.5	4	17.3
		4/16/2014	111.3	4	1.9
	Male	Season	139.3	20	7.5
	Female		123.4	9	8.4
Sex ratio	2.2:1				
Winnicut	Male	4/4/2014	116.0	2	2.8
		4/9/2014	149.1	21	8.8
		4/16/2014	120.0	1	N/A
	Female	4/4/2014	125.7	3	2.0
	Male	Season	145.2	24	8.0
	Female		125.7	3	2.0
	Sex ratio		8.0:1		
All sites combined	Male	Season	142.5	44	5.5
	Female		124.0	12	6.2
	Sex ratio		3.7:1		

Appendix Table 1.2-2. Mean length by sex, week and season, count (N), and standard error (SE) of rainbow smelt caught from the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers in New Hampshire, 2015.

River	Sex	Week	Mean length (mm)	N	SE
Oyster	Male	4/6/2015	173.2	6	12.3
		4/20/2015	93.0	1	N/A
	Female	4/6/2015	194.0	1	N/A
	Unknown	4/13/2015	75.3	16	1.6
		4/20/2015	78.9	18	1.7
	Male	Season	161.7	7	15.5
	Female		194.0	1	N/A
	Unknown		77.2	34	1.2
Sex ratio	7.0:1				
Squamscott	Male	4/6/2015	182.3	3	31.3
		4/13/2015	135.0	2	29.0
		4/20/2015	145.5	4	18.1
	Female	4/13/2015	95.0	2	12.0
	Male	Season	155.4	9	14.4
	Female		95.0	2	12.0
	Sex ratio		4.5:1		
Winnicut	Male	3/30/2015	191.9	9	4.4
		4/6/2015	185.8	12	3.2
		4/13/2015	184.0	1	N/A
		4/20/2015	192.0	1	N/A
	Female	3/30/2015	196.0	1	N/A
		4/13/2015	100.0	1	N/A
	Male	Season	188.4	23	2.4
	Female		148.0	2	48.0
Sex ratio	11.5:1				
All sites combined	Male	Season	176.0	39	5.0
	Female		136.0	5	24.4
	Unknown		77.2	34	1.2
	Sex ratio		7.8:1		

Appendix Table 1.2-3. Mean length by sex, week and season, count (N), and standard error (SE) of rainbow smelt caught from the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers in New Hampshire, 2016.

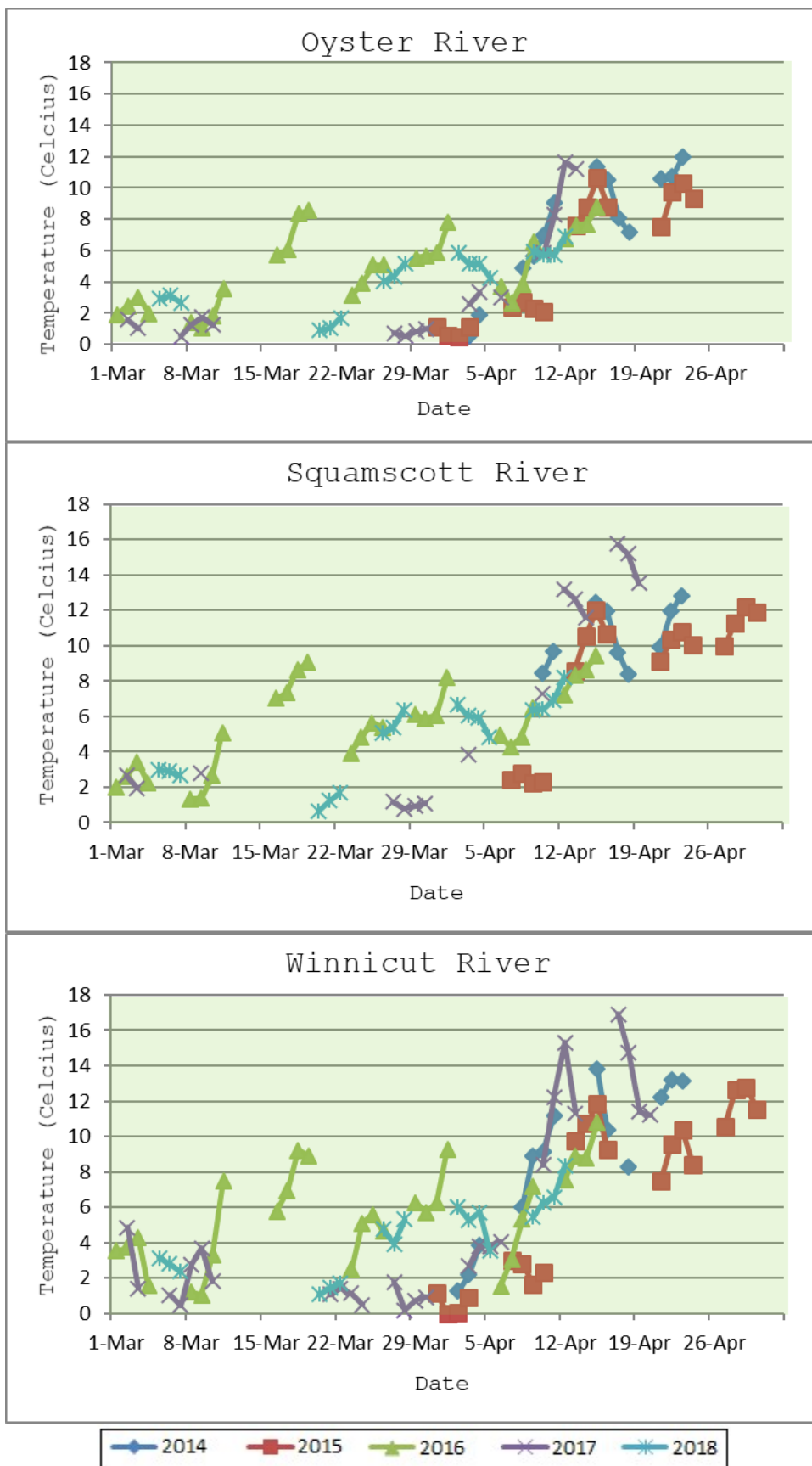
River	Sex	Week	Mean length (mm)	N	SE
Oyster	Male	3/7/2016	146.8	4	12.9
		3/14/2016	137.6	12	8.9
		3/21/2016	137.8	165	2.3
		3/28/2016	125.7	3	21.1
		4/4/2016	140.6	31	4.4
		4/11/2016	116.9	15	4.0
	Female	3/14/2016	141.0	1	N/A
		3/21/2016	145.0	43	5.7
		3/28/2016	120.6	16	4.8
		4/4/2016	135.5	13	9.3
		4/11/2016	124.3	6	9.5
	Unknown	3/28/2016	73.5	2	2.5
		4/4/2016	77.2	5	5.7
		4/11/2016	97.3	7	2.4
Male	Season	136.8	230	1.9	
Female		136.9	79	3.8	
Unknown		86.7	14	3.7	
Sex ratio		2.9:1			
Squamscott	Male	2/29/2016	183.0	21	3.3
		3/7/2016	176.1	54	1.9
		3/14/2016	164.6	276	1.5
		3/21/2016	148.4	17	6.8
		3/28/2016	142.6	30	4.7
		4/4/2016	135.3	3	18.9
		4/11/2016	118.0	3	4.5
	Female	2/29/2016	183.6	5	2.3
		3/7/2016	187.4	7	8.1
		3/14/2016	162.2	29	5.8
		3/21/2016	121.0	2	4.0
		3/28/2016	126.7	6	9.7
	4/4/2016	118.0	2	1.0	
	Male	Season	164.2	404	1.3
Female	160.2		51	4.6	
Sex ratio	7.9:1				
Winnicut	Male	2/29/2016	188.6	7	7.9
		3/14/2016	145.6	98	3.6
		3/21/2016	138.1	543	1.4
		3/28/2016	116.5	11	2.0
		4/4/2016	112.3	6	6.7
		4/11/2016	112.5	2	0.5
	Female	3/14/2016	149.2	6	14.0
		3/21/2016	131.6	15	8.1
		4/4/2016	126.0	1	N/A
	Male	Season	139.0	667	1.3
Female	136.1		22	6.8	
Sex ratio	30.3:1				
All sites combined	Male	Season	146.5	1,301	0.9
	Female		144.6	152	2.8
	Unknown		86.7	14	3.7
	Sex ratio		8.6:1		

Appendix Table 1.2-4. Mean length by sex, week, and season, and count (N) and standard error (SE) of Rainbow Smelt caught from the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers in New Hampshire, 2017.

River	Sex	Week	Mean length (mm)	N	SE
Oyster	Male	2/27/2017	176.3	6	4.1
		3/6/2017	177.1	7	3.6
		3/27/2017	159.8	4	2.8
		4/3/2017	161.4	16	3.4
		4/10/2017	144.5	18	7.5
	Female	3/6/2017	201.0	1	N/A
		3/27/2017	192.5	2	29.5
		4/3/2017	179.7	7	1.8
		4/10/2017	165.5	2	9.5
	Male	Season	159.2	51	3.4
Female	181.3		12	4.9	
Sex ratio	4.3:1				
Squamscott	Male	2/27/2017	196.5	2	5.5
		3/27/2017	181.2	162	1.3
		4/10/2017	150.5	14	7.0
	Female	3/27/2017	179.4	20	4.5
	Male	Season	178.9	178	1.4
	Female		179.4	20	4.5
	Sex ratio		8.9:1		
Winnicut	Male	2/27/2017	196.5	2	11.5
		3/6/2017	182.6	60	1.8
		3/20/2017	178.0	1	N/A
		3/27/2017	172.0	5	4.7
		4/3/2017	172.1	57	2.4
		4/10/2017	165.6	100	2.4
	Female	3/6/2017	202.8	9	7.4
		3/20/2017	216.0	1	N/A
		4/3/2017	169.8	5	3.4
		4/10/2017	165.0	1	N/A
	Male	Season	172.2	225	1.4
Female	190.9		16	1.4	
Sex ratio	14.1:1				
All sites combined	Male	Season	173.4	454	1.0
	Female		183.7	48	3.1
	Sex ratio		9.5:1		

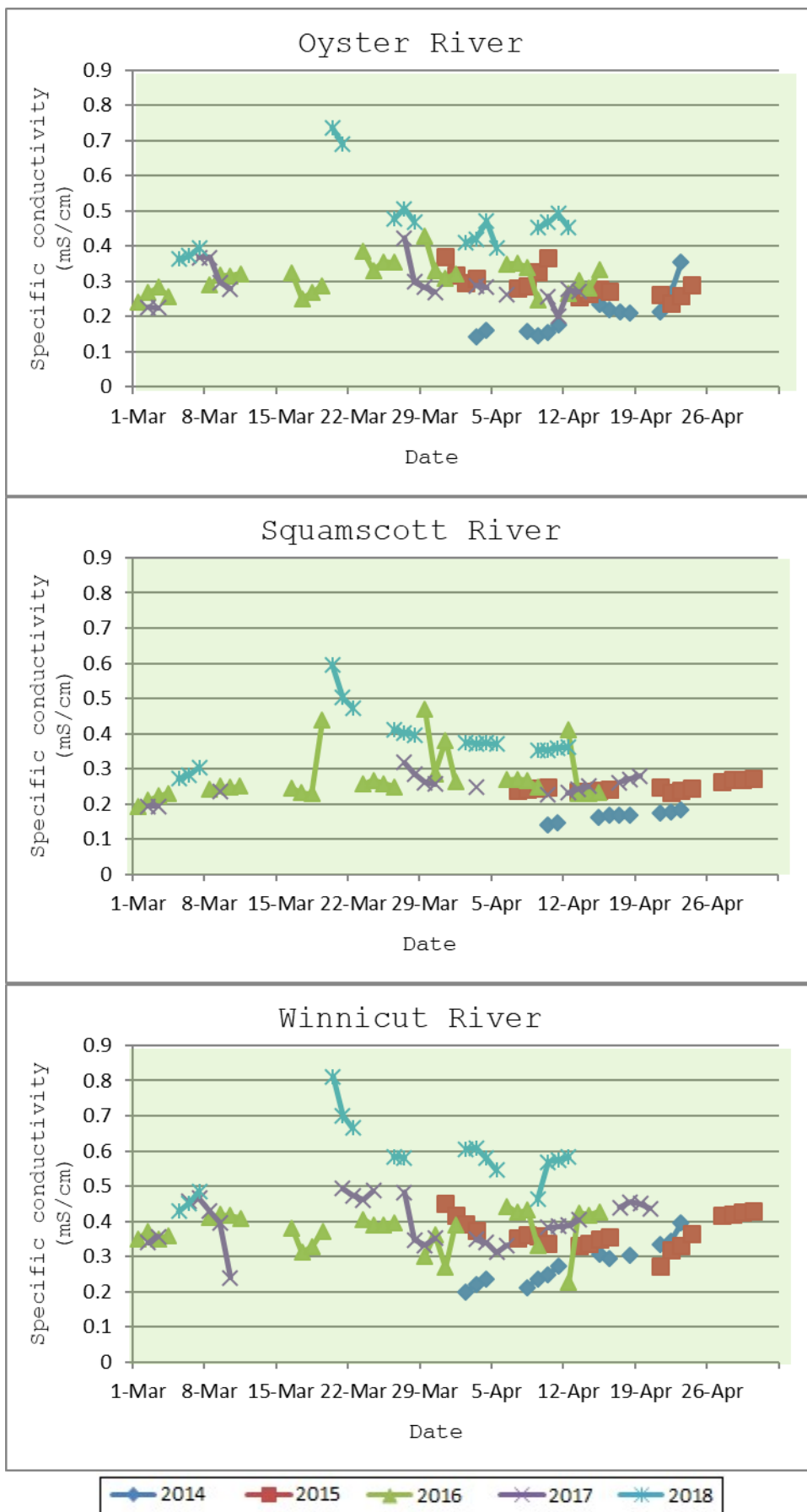
Appendix Table 1.2-5. Mean length by sex, week, and season, and count (N) and standard error (SE) of Rainbow Smelt caught from the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers in New Hampshire, 2018.

River	Sex	Week	Mean length (mm)	N	SE
Oyster	Male	3/12/2018	168.0	1	N/A
		3/19/2018	113.0	1	N/A
		3/26/2018	177.0	1	N/A
		4/2/2018	145.5	2	36.5
		4/9/2018	136.5	2	41.5
	Female	4/9/2018	195.0	1	N/A
	Male	Season	146.0	7	14.5
	Female		195.0	1	N/A
Sex ratio	7.0:1				
Squamscott	Male	3/12/2018	212.7	3	5.8
		3/19/2018	200.7	56	2.7
		3/26/2018	178.1	31	5.2
		4/2/2018	163.9	42	4.3
		4/9/2018	122.9	17	5.7
		4/16/2018	130.3	3	18.8
	Female	3/12/2018	238.0	1	N/A
		3/19/2018	188.7	3	9.3
		3/26/2018	173.7	3	29.2
		4/2/2018	187.2	5	14.8
		4/9/2018	169.5	2	4.5
	Male	Season	175.4	152	2.9
Female	185.7		14	8.7	
Sex ratio	10.9:1				
Winnicut	Male	3/5/2018	195.5	31	4.0
		3/12/2018	164.6	43	6.3
		3/19/2018	161.6	59	5.4
		3/26/2018	139.5	389	1.9
		4/2/2018	126.1	16	8.6
	Female	3/5/2018	210.3	4	9.0
		3/19/2018	157.5	2	29.5
		3/26/2018	139.3	15	9.6
		4/2/2018	114.0	3	2.6
	Male	Season	146.8	538	1.7
Female	149.5		24	8.8	
Sex ratio	22.4:1				
All sites combined	Male	Season	153.0	697	1.6
	Female		163.7	39	6.8
	Sex ratio		17.9:1		



Appendix Figure 1.2-1. Daily mean measurements of Temperature collected during the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers, New Hampshire, 2014–2018.

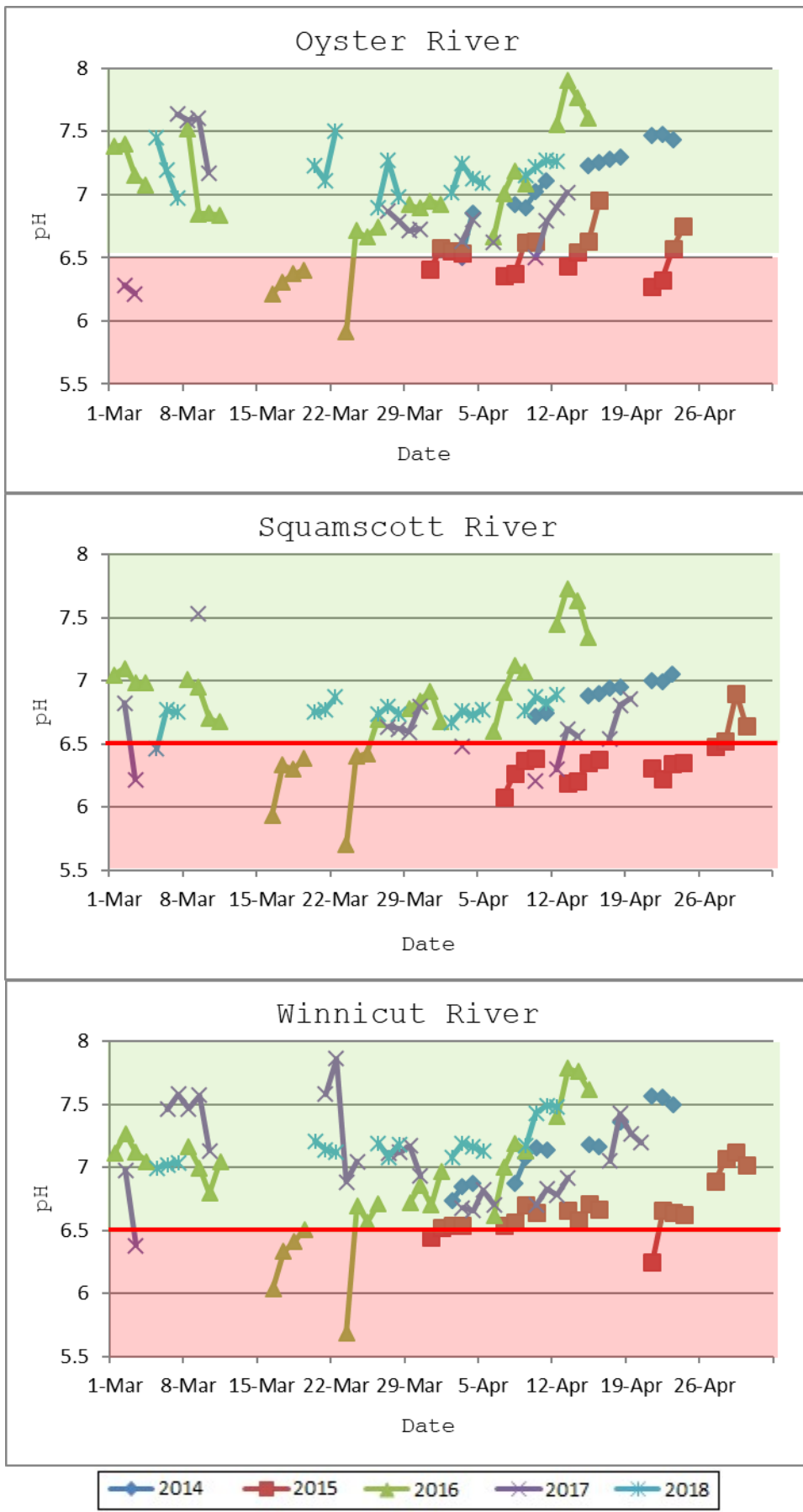
Note: Green shaded area indicates within Rainbow Smelt threshold; red shaded area is outside of threshold.



\*Outliers of 2.08 mS/cm (Oyster River) and 1.07 mS/cm (Winnicut River) from 2018 not included.

Appendix Figure 1.2-2. Daily mean measurements\* of Specific conductivity collected during the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers, New Hampshire, 2014–2018.

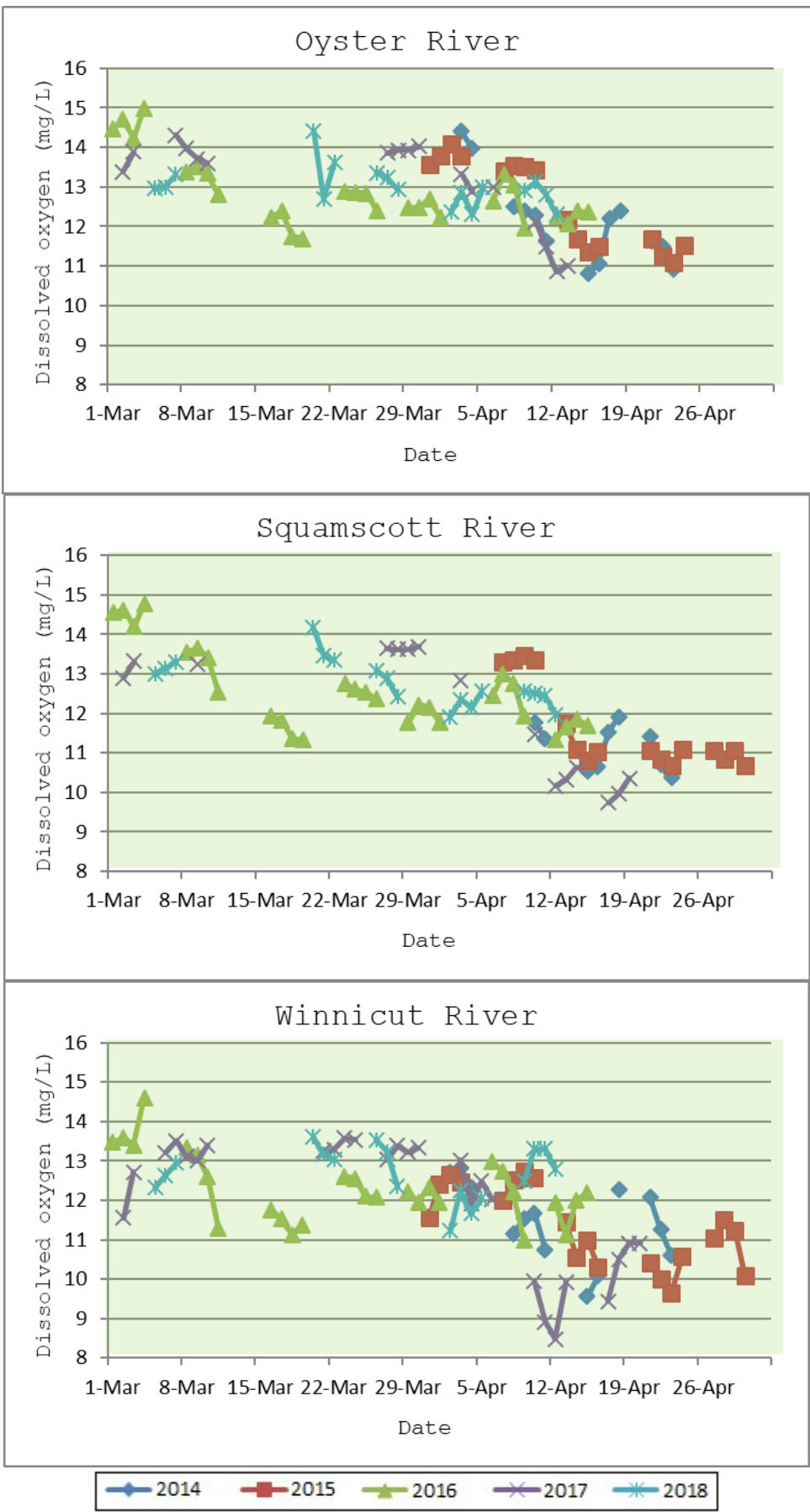
Note: Green shaded area indicates within Rainbow Smelt threshold; red shaded area is outside of threshold.



Appendix Figure 1.2-3. Daily mean measurements of pH collected during the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers, New Hampshire, 2014–2018.

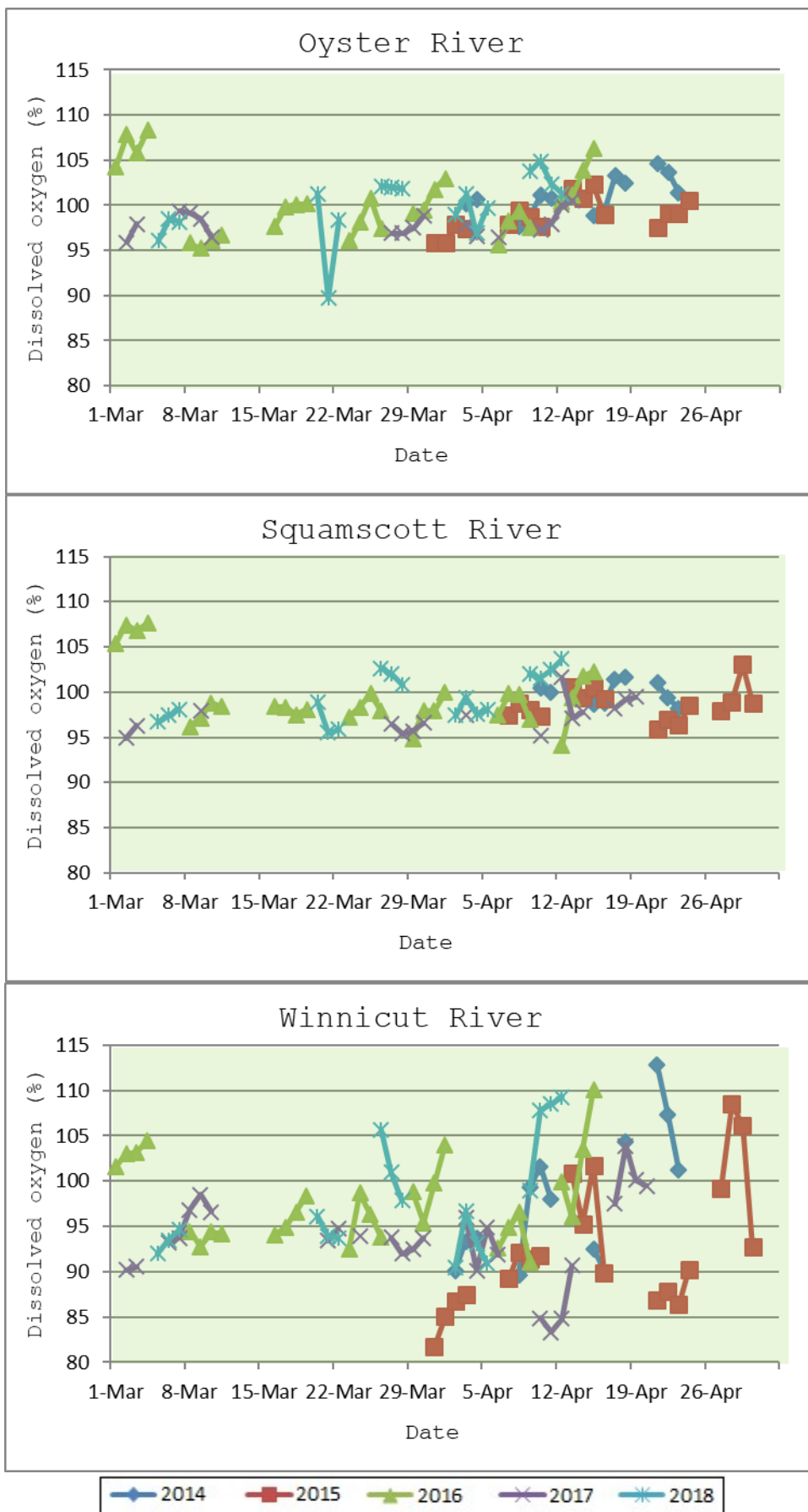
Note: Green shaded area indicates within Rainbow Smelt threshold; red shaded area is outside of threshold.





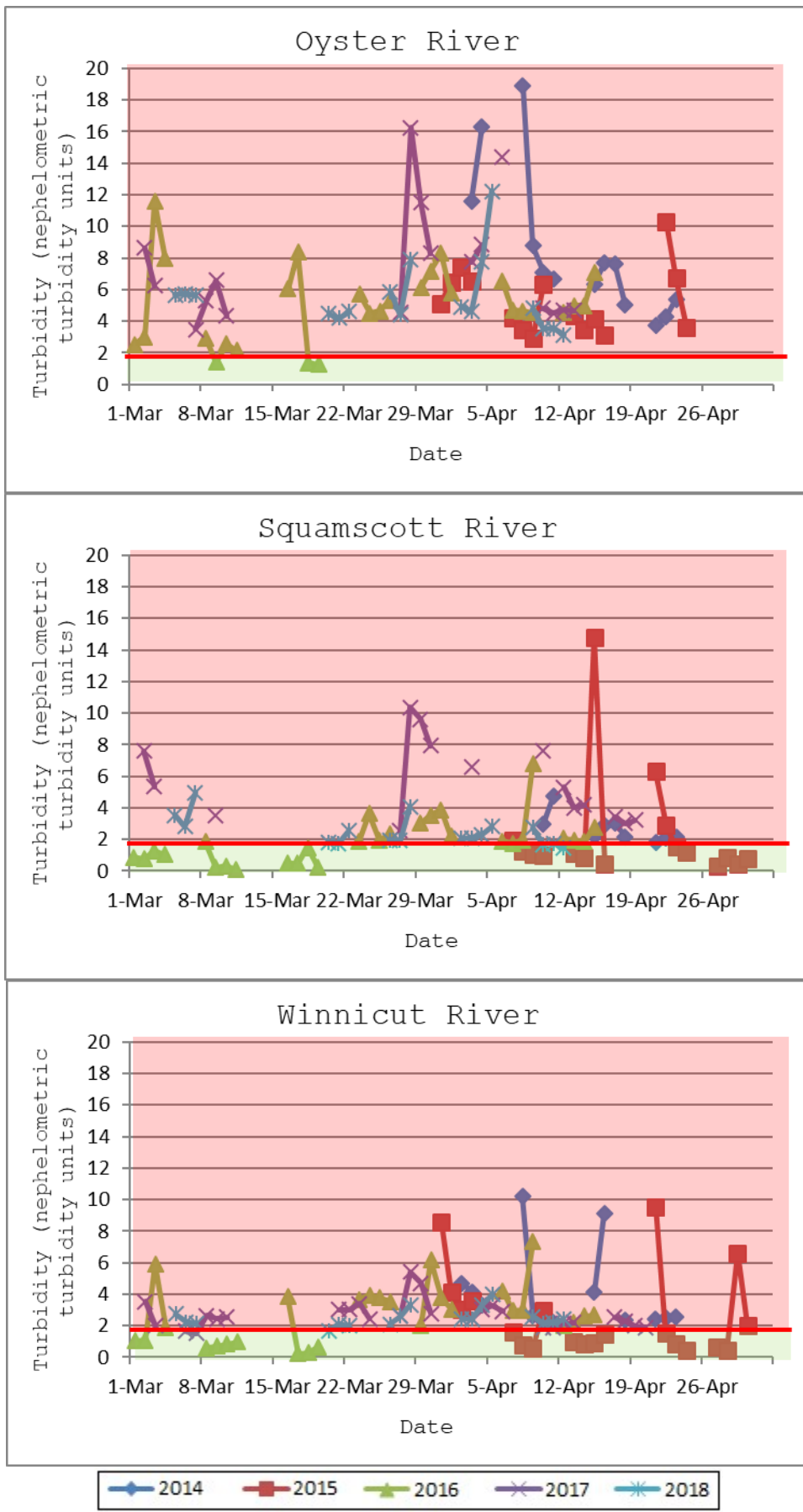
Appendix Figure 1.2-4. Daily mean measurements of Dissolved oxygen (mg/L) collected during the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers, New Hampshire, 2014–2018

Note: Green shaded area indicates within Rainbow Smelt threshold; red shaded area is outside of threshold.



Appendix Figure 1.2-5. Daily mean measurements of Dissolved oxygen (%) collected during the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers, New Hampshire, 2014–2018.

Note: Green shaded area indicates within Rainbow Smelt threshold; red shaded area is outside of threshold.



\*Outlier of 36.3 NTU from Oyster River in 2015 not included.

Appendix Figure 1.2-6. Daily mean measurements\* of Turbidity collected during the fyke net sampling in the Oyster, Squamscott, and Winnicut rivers, New Hampshire, 2014–2018.

Note: Green shaded area indicates within Rainbow Smelt threshold; red shaded area is outside of threshold.