

Appendix Table 2-1.1 Estimates of catch, effort, and CPUE, by month and location, for the marine recreational Rainbow Smelt ice fishery in New Hampshire, 2014.

December		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	0	0	0	0	0	0	0	0	0	3	0	3	3	0	3
Fishable days	<i>d</i>	0	0	0	0	0	0	5	2	7	2	2	4	7	4	11
Average trip length	<i>t</i>										3.75					
Average inst. count	<i>c</i>							0.25	0.00		1.00	0.00				
Estimated angler hours	$h = (c*12)*d$	0	0		0	0	0	15	0	15	24	0	24	39	0	39
Estimated trips	$E = h/t$	0	0	0	0	0	0	0	0	0	6	0	6	6	0	6
Catch per angler hour	<i>CPUE</i>										0.0			0.0	0.0	0.0
Estimated smelt caught	$C = h*CPUE$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avg fish weight (lbs)	<i>w</i>	0.181	0.181													
Est harvest (lbs)	$H = C*w$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	16	27	43	0	0	0	3	6	9	4	10	14	23	43	66
Fishable days	<i>d</i>	20	10	30	12	3	15	21	10	31	21	10	31	74	33	107
Average trip length	<i>t</i>	3.29	3.17					3.50	4.63		5.17	5.14				
Average inst. count	<i>c</i>	4.00	2.89					0.33	0.90		1.00	0.90				
Estimated angler hours	$h = (c*12)*d$	960	347	1,307	0	0	0	84	108	192	252	108	360	1,296	563	1,859
Estimated trips	$E = h/t$	292	109	401	0	0	0	24	23	47	49	21	70	365	154	519
Catch per angler hour	<i>CPUE</i>	0.2	0.0	0.1				0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Estimated smelt caught	$C = h*CPUE$	143	5	148	0	0	0	0	0	0	0	3	3	143	8	151
Avg fish weight (lbs)	<i>w</i>	0.181	0.181													
Est harvest (lbs)	$H = C*w$	26	1	27	0	0	0	0	0	0	0	0	0	26	1	27
February		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	46	77	123	0	1	1	2	1	3	4	7	11	52	86	138
Fishable days	<i>d</i>	19	9	28	19	9	28	19	9	28	19	9	28	76	36	112
Average trip length	<i>t</i>	3.65	4.02					3.00	5.00		2.25	3.50				
Average inst. count	<i>c</i>	2.63	6.11		0.00	0.22		0.00	0.00		0.17	0.67				
Estimated angler hours	$h = (c*12)*d$	600	660	1,260	0	24	24	0	0	0	39	72	111	638	756	1,394
Estimated trips	$E = h/t$	165	164	329	0	8	8	0	0	0	17	21	38	182	193	375
Catch per angler hour	<i>CPUE</i>	0.7	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.7	0.2	0.4
Estimated smelt caught	$C = h*CPUE$	426	164	590	0	0	0	0	0	0	10	0	10	435	164	599
Avg fish weight (lbs)	<i>w</i>	0.181	0.181								0.181					
Est harvest (lbs)	$H = C*w$	77	30	107	0	0	0	0	0	0	2	0	2	79	30	108

Appendix Table 2-1.1 (Continued)

March		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	18	20	38	0	0	0	0	0	0	0	0	0	18	20	38
Fishable days	<i>d</i>	13	6	19	7	4	11	7	4	11	8	4	12	35	18	53
Average trip length	<i>t</i>	2.77	5.46													
Average inst. count	<i>c</i>	1.50	2.33		0.00	0.00		0.00	0.00							
Estimated angler hours	$h = (c*12)*d$	234	168	402	0	0	0	0	0	0	0	0	0	234	168	402
Estimated trips	$E = h/t$	84	31	115	0	0	0	0	0	0	0	0	0	84	31	115
Catch per angler hour	<i>CPUE</i>	0.7	0.9	0.8										0.7	0.9	0.8
Estimated smelt caught	$C = h*CPUE$	173	155	327	0	0	0	0	0	0	0	0	0	173	155	328
Avg fish weight (lbs)	<i>w</i>	0.181	0.181													
Est harvest (lbs)	$H = C*w$	31	28	59	0	0	0	0	0	0	0	0	0	31	28	59
Total		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers		80	124	204	0	1	1	5	7	12	11	17	28	96	149	245
Fishable days		52	25	77	38	16	54	52	25	77	50	25	75	192	91	283
Est angler hours		1,794	1,174	2,968	0	24	24	99	108	207	315	180	495	2,207	1,487	3,694
Estimated trips		541	304	846	0	8	8	24	23	47	73	42	114	637	377	1,014
Catch per angler hour		0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3
Estimated smelt caught		742	324	1,066	0	0	0	0	0	0	10	3	13	751	327	1,078
Estimated harvest (lbs)		134	59	193	0	0	0	0	0	0	2	0	2	136	59	195
Percentage of catch		98.8%	99.0%	98.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.0%	1.2%			
Percentage of hours		81.3%	79.0%	80.3%	0.0%	1.6%	0.6%	4.5%	7.3%	5.6%	14.3%	12.1%	13.4%			
Percentage of trips		85.0%	80.7%	83.4%	0.0%	2.1%	0.8%	3.8%	6.2%	4.7%	11.4%	11.1%	11.3%			

Appendix Table 2-1.2 Estimates of catch, effort, and CPUE, by month and location, for the marine recreational Rainbow Smelt ice fishery in New Hampshire, 2015.

January		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	5	8	13	0	0	0	2	4	6	0	2	2	7	14	21
Fishable days	<i>d</i>	14	6	20	0	0	0	14	8	22	12	7	19	40	21	61
Average trip length	<i>t</i>	4.67	4.90					1.50	2.50		0.00	6.75				
Average inst. count	<i>c</i>	0.50	1.33					0.00	0.50		0.60	0.29				
Estimated angler hours	$h = (c*12)*d$	84	96	180	0	0	0	0	48	48	86	24	110	170	168	338
Estimated trips	$E = h/t$	18	20	38	0	0	0	0	19	19	0	4	4	18	43	61
Catch per angler hour	<i>CPUE</i>	0.0	0.4	0.2				0.0	0.0	0.0	0.0	1.0	0.2	0.0	0.4	0.2
Estimated smelt caught	$C = h*CPUE$	0	38	38	0	0	0	0	0	0	0	24	24	0	62	62
Avg fish weight (lbs)	<i>w</i>	0.174	0.174								0.138	0.138				
Est harvest (lbs)	$H = C*w$	0	7	7	0	0	0	0	0	0	0	3	3	0	10	10
February		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	7	0	7	0	0	0	0	0	0	0	0	0	7	0	7
Fishable days	<i>d</i>	10	3	13	0	0	0	2	1	3	0	0	0	12	4	16
Average trip length	<i>t</i>	3.17	0.00													
Average inst. count	<i>c</i>	1.11	1.00													
Estimated angler hours	$h = (c*12)*d$	133	36	169	0	0	0	0	0	0	0	0	0	133	36	169
Estimated trips	$E = h/t$	42	0	42	0	0	0	0	0	0	0	0	0	42	0	42
Catch per angler hour	<i>CPUE</i>	0.1	0.0	0.0								0.0	0.1	0.0	0.0	0.0
Estimated smelt caught	$C = h*CPUE$	7	0	7	0	0	0	0	0	0	0	0	0	7	0	7
Avg fish weight (lbs)	<i>w</i>	0.174	0.174								0.138	0.138				
Est harvest (lbs)	$H = C*w$	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
March		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	23	1	24	0	0	0	0	0	0	0	0	0	23	1	24
Fishable days	<i>d</i>	17	6	23	0	0	0	0	0	0	0	0	0	17	6	23
Average trip length	<i>t</i>	2.44	3.50													
Average inst. count	<i>c</i>	0.88	0.50													
Estimated angler hours	$h = (c*12)*d$	180	36	216	0	0	0	0	0	0	0	0	0	180	36	216
Estimated trips	$E = h/t$	74	10	84	0	0	0	0	0	0	0	0	0	74	10	84
Catch per angler hour	<i>CPUE</i>	0.7	0.0	0.6										0.7	0.0	0.6
Estimated smelt caught	$C = h*CPUE$	133	0	133	0	0	0	0	0	0	0	0	0	133	0	133
Avg fish weight (lbs)	<i>w</i>	0.174	0.174								0.138	0.138				
Est harvest (lbs)	$H = C*w$	23	0	23	0	0	0	0	0	0	0	0	0	23	0	23

Appendix Table 2-1.2 (Continued)

Total	Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Total		
	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	35	9	44	0	0	0	2	4	6	0	2	2	37	15	52
Fishable days	41	15	56	0	0	0	16	9	25	12	7	19	69	31	100
Est angler hours	397	168	565	0	0	0	0	48	48	86	24	110	483	240	723
Estimated trips	134	30	164	0	0	0	0	19	19	0	4	4	134	53	187
Catch per angler hour	0.4	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2	0.3	0.3	0.3
Estimated smelt caught	140	38	178	0	0	0	0	0	0	0	24	24	140	62	202
Estimated harvest (lbs)	24	7	31	0	0	0	0	0	0	0	3	3	24	10	34
Percentage of catch	100.0%	61.5%	88.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.5%	11.8%			
Percentage of hours	82.1%	70.0%	78.1%	0.0%	0.0%	0.0%	0.0%	20.0%	6.6%	17.9%	10.0%	15.3%			
Percentage of trips	100.0%	56.6%	87.7%	0.0%	0.0%	0.0%	0.0%	35.8%	10.2%	0.0%	7.5%	2.1%			

Appendix Table 2-1.5 Estimates of catch, effort, and CPUE, by month and location, for the marine recreational Rainbow Smelt ice fishery in New Hampshire, 2018.

January		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Depot/Winnicut			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	94	82	176	0	0	0	0	0	0	4	4	0	0	0	94	86	180	
Fishable days	<i>d</i>	21	9	30	7	2	9	20	9	29	21	10	31	1	1	2	69	30	99
Average trip length	<i>t</i>	3.15	3.53								4.25								
Average inst. count	<i>c</i>	3.55	5.33		0.43	0.00		0.05	0.00		0.10	0.33		0.00	0.43				
Estimated angler hours	$h = (c*12)*d$	895	576	1,471	36	0	36	13	0	13	25	40	65	2	5	7	969	615	1,584
Estimated trips	$E = h/t$	284	163	447	0	0	0	0	0	0	9	9	0	0	0	284	172	456	
Catch per angler hour	<i>CPUE</i>	2.5	1.5	2.1					0.0		0.0	0.0	0.0		0.0	2.3	1.4	2.0	
Estimated smelt caught	$C = h*CPUE$	2,247	864	3,111	0	0	0	0	0	0	0	0	0	0	0	2,247	864	3,111	
Avg fish weight (lbs)	<i>w</i>	0.166	0.166																
Est harvest (lbs)	$H = C*w$	373	143	516	0	0	0	0	0	0	0	0	0	0	0	373	143	516	
February		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Depot/Winnicut			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers	<i>n</i>	53	32	85	0	0	0	0	0	0	0	0	0	0	0	53	32	85	
Fishable days	<i>d</i>	14	7	21	9	4	13	10	14	24	12	4	16	0	0	0	45	29	74
Average trip length	<i>t</i>	3.30	4.28																
Average inst. count	<i>c</i>	3.14	4.57		0.00	0.25		0.00	0.25		0.00	0.00		0.00	0.00				
Estimated angler hours	$h = (c*12)*d$	528	384	912	0	12	12	0	42	42	0	0	0	0	0	528	438	965	
Estimated trips	$E = h/t$	160	90	250	0	0	0	0	0	0	0	0	0	0	0	160	90	250	
Catch per angler hour	<i>CPUE</i>	2.2	2.2	2.2												2.2	1.9	2.1	
Estimated smelt caught	$C = h*CPUE$	1,166	839	2,005	0	0	0	0	0	0	0	0	0	0	0	1,166	839	2,005	
Avg fish weight (lbs)	<i>w</i>	0.166	0.166																
Est harvest (lbs)	$H = C*w$	194	139	333	0	0	0	0	0	0	0	0	0	0	0	194	139	333	
Total		Squamscott River			Lamprey River			Bellamy/Oyster River			Great Bay			Depot/Winnicut			Total		
		Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total	Weekday	Weekend	Total
No. interviewed anglers		147	114	261	0	0	0	0	0	0	4	4	0	0	0	147	118	265	
Fishable days		35	16	51	16	6	22	30	23	53	33	14	47	1	1	2	115	60	175
Est angler hours		1,422	960	2,383	36	12	48	13	42	55	25	40	65	2	5	7	1,498	1,059	2,557
Estimated trips		444	253	697	0	0	0	0	0	0	9	9	0	0	0	444	262	706	
Catch per angler hour		2.4	1.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.6	2.0	
Estimated smelt caught		3,413	1,703	5,116	0	0	0	0	0	0	0	0	0	0	0	3,413	1,703	5,116	
Estimated harvest (lbs)		566	283	849	0	0	0	0	0	0	0	0	0	0	0	566	283	849	
Percentage of catch		100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
Percentage of hours		94.9%	90.6%	93.2%	2.4%	1.1%	1.9%	0.9%	4.0%	2.2%	1.7%	3.8%	2.5%	0.1%	0.5%	0.3%			
Percentage of trips		100.0%	96.6%	98.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	1.3%	0.0%	0.0%	0.0%				