

Appendix Table 1.1-1. River herring mean, minimum, and maximum length at age from scale samples taken at the Cocheco, Exeter, Oyster, and Lamprey River fish ladders during the spring spawning run in New Hampshire, 2019–2023.

			Age-3	Age-4	Age-5	Age-6	Age-7+	N
2019	Cocheco River	Mean	24.9	25.8	27	28.3	31.2	122
		Min	24.1	23.5	24.2	26	29.3	
		Max	25.3	27.9	29.3	32	33.7	
	Exeter River	Mean	-	28.1	28.7	29.5	30.2	23
		Min	-	27.4	27.8	27.7	29.1	
		Max	-	28.6	29.8	30.7	30.9	
	Oyster River	Mean	25.2	26.3	27.9	28.4	29	108
		Min	23.3	24.2	25.3	24.6	25.9	
		Max	26.4	30.1	30.7	31.6	30.9	
	Lamprey River	Mean	-	27	27.8	29	31.8	77
		Min	-	25	25.3	26.7	30.4	
		Max	-	28.6	30.5	31.6	33.1	
2020	Cocheco River	Mean	-	25.2	26.5	28.3	30.4	102
		Min	-	22.8	23.1	25.8	26.6	
		Max	-	28.6	30.1	31	33.3	
	Exeter River	Mean	-	-	29.5	29.4	30.9	17
		Min	-	-	28.4	28.1	30.6	
		Max	-	-	30.6	31	31.1	
	Oyster River	Mean	22.4	25.1	27.2	28.1	28.7	128
		Min	22.4	22	22.8	25.3	26.3	
		Max	22.4	29.1	31.7	30.5	31.4	
	Lamprey River	Mean	-	25.4	27.8	29.8	31.1	77
		Min	-	24.1	24.8	27.1	28.4	
		Max	-	26.9	30.9	32.6	32.7	
2021	Cocheco River	Mean	24.3	25.3	26.6	28.7	31.6	124
		Min	24.3	20.3	24.5	25.9	27.9	
		Max	24.3	28.3	29.4	31.5	34.1	
	Exeter River	Mean	-	26.5	27.8	29.7	31.7	60
		Min	-	25.5	25.3	26	30.6	
		Max	-	27.5	29.8	32.5	32.7	
	Oyster River	Mean	-	25.6	26.7	28.4	30.5	112
		Min	-	22.2	23	24.8	29.4	
		Max	-	28.1	30.7	31.8	31.8	
	Lamprey River	Mean	-	26.5	27.7	30.2	31.3	74
		Min	-	24.6	25.1	26.8	29.5	
		Max	-	28.5	30.9	32.7	33.8	

Appendix Table 1.1-1. (Continued).

			Age-3	Age-4	Age-5	Age-6	Age-7+	N
2022	Cocheco River	Mean	-	26.1	28	30.3	31.2	91
		Min	-	24.1	26.1	28.9	28.2	
		Max	-	28.1	31.5	32.6	33.3	
	Exeter River	Mean	-	26	26.9	27.9	29.2	65
		Min	-	23.1	24.4	25.8	26.8	
		Max	-	29.1	28.7	30.5	30.5	
	Oyster River	Mean	23.8	26	27.6	28.8	30.5	113
		Min	23.1	23.2	24.5	26	29	
		Max	24.4	28.5	31.3	30.8	31.5	
	Lamprey River	Mean	-	26.5	28.2	30.2	31.9	76
		Min	-	25	25.6	28.5	30.5	
		Max	-	28.9	30.4	32.6	33.6	
2023	Cocheco River	Mean	24.4	26.2	28.3	29.8	30.7	97
		Min	21.7	23.2	24.2	26.9	28.5	
		Max	25.9	29	30.9	31.3	32	
	Exeter River	Mean	24.4	26.2	26.7	28.1	30	51
		Min	23.8	24.6	25.1	26.9	29.5	
		Max	24.9	27.7	28.2	28.8	30.3	
	Oyster River	Mean	23.2	26.1	27.5	29.3	30	128
		Min	22.7	23.9	23.3	26.2	28.6	
		Max	24	28.2	30.7	31.6	31.1	
	Lamprey River	Mean	-	27.3	28.7	30.6	31.7	71
		Min	-	25.3	25.9	28.1	29.7	
		Max	-	31	31.2	32.2	33.1	

Appendix Table 1.1-2. Summary of river herring transfers from the Cocheco and Lamprey rivers in New Hampshire, 2019–2023.

	Date	# transferred	Source of river herring	Stocking location	Drainage system
2019	5/11/2019	3,000	Lamprey River	Potanipo Lake	Merrimack River
	5/29/2019	760	Lamprey River	Pawtuckaway Lake	Lamprey River
2020	5/5/2020	260	Lamprey River	Pickpocket Dam	Exeter River
	5/6/2020	250	Lamprey River	Winnicut Fishway	Winnicut River
	5/7/2020	1,050	Lamprey River	Pawtuckaway Lake	Lamprey River
	5/19/2020	600	Cocheco River	Bow Lake	Cocheco River
	5/19/2020	3,000	Lamprey River	Winnisquam Lake	Merrimack River
2021	4/27/2021	224	Lamprey River	Pickpocket Dam	Exeter River
	4/28/2021	250	Lamprey River	Winnicut Fishway	Winnicut River
	4/30/2021	1,600	Lamprey River	Pawtuckaway Lake	Lamprey River
	5/7/2021	1,370	Lamprey River	Bow Lake	Cocheco River
	5/14/2021	3,000	Lamprey River	Potanipo Lake	Merrimack River
	5/17/2021	250	Lamprey River	Bellamy River	Bellamy River
	5/18/2021	750	Lamprey River	Winnisquam Lake	Merrimack River
2022	5/5/2022	270	Lamprey River	Oyster River	Oyster River
	5/5/2022	2,030	Lamprey River	Pawtuckaway Lake	Lamprey River
	5/5/2022	290	Lamprey River	Pickpocket Fishway	Exeter River
	5/6/2022	280	Lamprey River	Winnicut Fishway	Winnicut River
	5/6/2022	3,000	Lamprey River	Potanipo Lake	Merrimack River
	5/9/2022	520	Lamprey River	Watson Dam	Cocheco River
	5/10/2022	2,000	Lamprey River	Bow Lake	Cocheco River
	5/10/2022	1,435	Lamprey River	Nashua River	Merrimack River
	5/12/2022	3,000	Lamprey River	Piscataquog River	Merrimack River
2023	4/20/2023	2,000	Lamprey River	Pawtuckaway Lake	Lamprey River
	4/21/2023	2,000	Lamprey River	Bow Lake	Cocheco River
	4/24/2023	3,000	Lamprey River	Potanipo Lake	Merrimack River
	5/12/2023	2,600	Lamprey River	Piscataquog River	Merrimack River
	6/3/2023	400	Cocheco River	Watson Dam	Cocheco River
	6/5/2023	175	Cocheco River	Watson Dam	Cocheco River