

SUMMARY OF CAPE COD HERRING COUNTS, 2007 - 2024

11/5/24

Compiled by Association to Preserve Cape Cod (APCC) and Massachusetts Bays National Estuary Partnership, Cape Cod Region (MassBays)
 Estimated run size based on volunteer counts is calculated by the Massachusetts Division of Marine Fisheries using "Visual Count" software.
Boldface black is highest run size

Estimated run size based on visual counts

COVID-19 caused volunteer count to be cancelled or cut back.

NA - not available

Run Name	Town	Marine water body	Year	Electronic Counts	# Fish Counted	Observations	# of Estimated Run Size (Visual Counts)	Plus/Minus	Peak 10 Min Count	Date of Peak Count	Water temperature at Peak 10-minute count		Water temperature when first fish counted		Water temperature Date when last fish counted		Date of Peak	Town, Organizations & Partners	No. Volunteers			
											at Peak 10-minute count	First fish counted	when first fish counted	Date when last fish counted	when last fish counted	Peak Water Temp				Water Temp		
Stony Brook	Brewster	Cape Cod Bay	2007		2,588	437	22,348	1,275	157	5/14/07	20.0	4/21/07	13.0	6/1/07	23.0	25.00		Town of Brewster	20			
			2008		1,907	255	25,289	2,938	233	4/25/08	18.0	4/17/08	12.0	5/29/08	20.0	23.00		APCC, MassBays	21			
			2009		1,002	233	11,062	1,185	95	4/29/09	18.0	4/16/09	9.0	5/29/09	19.0	21.00			22			
			2010		8,576	539	48,099	2,172	317	5/16/10	18.0	4/6/10	14.0	5/25/10	25.0	25.00			24			
			2011		3,019	287	37,091	1,185	136	4/30/11	17.0	4/7/11	10.0	6/1/11	21.0	25.00			17			
			2012		3,050	174	41,028	3,047	225	4/18/12	17.0	3/23/12	15.0	5/25/12	20.0	23.00			14			
			2013		9,732	177	153,262	32,004	584	4/30/13	18.0	4/14/13	11.0	5/26/13	16.0	28.00			13			
			2014		26,572	301	271,363	16,516	481	5/13/14	18.0	4/21/14	14.0	6/7/14	22.0	22.00			15			
			2015		19,462	235	251,530	17,110	519	5/8/15	17.0	4/15/15	11.0	6/20/15	19.0	26.00			13			
			2016		4,331	158	88,703	15,560	193	5/1/16	13.0	3/26/16	13.0	5/26/16	23.0	23.00			10			
			2017		879	141	20,328	4,706	55	4/30/17	17.0	4/11/17	11.0	5/29/17	17.0	23.00			10			
			2018		204,389	10,264	131,851	16,853	432	5/9/18	19.5	4/24/18	12.5	6/11/18	18.0	24.00			11			
2019		434,583	5,494	104,135	23,238	363	5/9/19	18.0	4/5/19	9.5	6/1/19	18.5	20.00			10						
2020																						
2021				86173	971	63	NA												4			
2022					2,469	247	39,839	5,997	157	4/27/22	15.0	4/9/22	10.5	6/26/22	20.0	25.00		5/17/22	7			
2023					12,458	422	132,389		364	4/6/23	17.0	4/6/23	10.0	6/24/23	18.0	25.00		6/1/23	11			
2024					5,200	301	69,731		283	5/3/24	16.0	4/3/24	10.0	6/5/24	23.0	27.00		6/13/24	12			
				Average:	241,715	6,940	90,503															
Stillwater Pond (RC-1)	Chatham	Pleasant Bay	2016		570	264	11,969	13,723	245	5/4/16	12.5	3/26/16	NA	5/21/16	20.0	22.00		Town of Chatham	12			
			2017		74	153	1,645	3,421	21	5/12/17	16.0	4/21/17	12.5	5/12/17	16.0	23.50		APCC, MassBays	1			
			2018		3,048	257	31,582	15,853	625	5/1/18	13.5	3/31/18	15.0	5/18/18	15.0	17.00			8			
			2019		2,877	226	49,919	17,686	207	4/19/19	10.0	3/30/19	NA	5/21/19	15.0	15.50			5			
			2020																			
			2021																			
				Average:	1,642	128	23,779															
Lovers Lake (RC-2)	Chatham	Pleasant Bay	2016		312	128	7,310	45,646	97	5/11/16	17.0	3/22/16	20.0	5/22/16	19.0	20.00			7			
			2017																			
			2018		520	121	2,083	1,439	30	4/29/18	NA	4/28/18	NA	5/19/18	NA	16.00			6			
			2019		16	76	NA	NA	11	5/11/19	10.0	4/16/19	10.0	5/11/19	15.0	15.00			5			
			2020																			
			2021																			
				Average:	283		4,697															
Bound Brook	Dennis	Cape Cod Bay	2012		1,209	84	34,580	5,711	142	4/23/12	15.0	4/5/12	12.0	5/12/12	19.0	20.00		Town of Dennis	8			
			2013		1,661	124	33,486	11,534	177	4/26/13	18.0	4/13/13	10.0	5/14/13	17.0	21.00		APCC, MassBays	11			
			2014		593	82	16,117	3,150	170	4/22/14	15.0	4/21/14	15.0	5/24/14	18.0	22.00		Dennis Conservation Trust	10			
			2015		2,088	176	25,817	7,093	157	5/6/15	15.0	4/22/15	12.0	5/20/15	19.0	15.00			25			
			2016		55	111	1,453	893	13	5/10/16	22.0	4/22/16	20.0	5/26/16	20.0	20.00			12			
			2017		21	17	NA	NA	18	4/27/17	16.0	4/27/17	16.0	5/3/17	15.0	20.00			2			
			2018		7,874	220	127,387	27,334	431	5/16/18	18.0	4/25/18	13.0	5/24/18	20.0	23.00			16			
			2019		988	117	21,652	5,078	88	4/24/19	19.0	4/16/19	12.0	5/24/19	17.0	24.00			14			
			2020		0	26	NA	0													2	
			2021		23	115	726	839	8	5/1/21	NA	4/10/21	14.0	5/1/21	15.0	23.00			8			
			2022		23	129	NA	NA	16	4/25/22	17.0	4/24/22	14.0	5/5/22	20.0	25.00		5/22/22	8			
			2023		77	142	Insufficient	23	4/15/23	15.0	4/15/23	15.0	5/16/23	20.0	5/12/23	20.0	25.00		5/12/23	7		
2024		392	334	2,576	37	5/9/24	19.0	4/17/24	17.0	5/17/24	17.0	25.00		6/14/24	14							
				Average:	1,154		29,310															
Scargo Lake	Dennis	Cape Cod Bay	2015		119	17	NA	NA	75	5/31/15	20.0	5/25/15	18.0	5/31/15	20.0	22.00		Town of Dennis	7			
			2016		0	76	NA	NA	0	NA	NA	NA	NA	NA	21.00		APCC, MassBays	15				
			2017																			
			2018		86	NA	NA	13	4/29/18	14.0	4/26/18	13.0	5/15/18	17.0	22.00			8				
			2019		376	113	12,005	3,979	50	5/21/19	15.0	4/15/19	12.0	5/28/19	16.0	18.00			11			
			2020		115	33	NA	21	4/7/20	10.0	4/7/20	10.0	5/7/20	NA	NA	22.00	5/19/2021	2				
			2021		0	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.00	5/22/22	5				
			2022		13	133	NA	5	5/15/22	22.0	4/19/22	5	5/24/22	21.0	22.00	5/22/22	8					
			2023		134	167	Insufficient	61	5/21/23	19.0	5/1/23	13.0	5/31/23	22.0	24.00	6/14/23	9					
			2024		341	421	2,904	48	5/14/24	14.0	4/1/24	9.0	6/7/24	22.0	25.00	6/12/24	19					
							Average:	137		7,455												
			Bridge Pond (aka Herring River, Eastham)	Eastham	Cape Cod Bay	2014		749	295	8,188	2,081	61	5/15/14	18.0	4/14/14	12.0	5/15/14	18.0	20.00		Eastham Herring Monitors	21
2015		461				368	3,204	1,238	116	5/9/15	10.0	4/19/15	11.0	5/19/15	19.0	21.5		Town of Eastham	27			
2016		153				284	1,932	304	20	4/21/16	10.0	3/25/16	13.0	5/18/16	13.0	19		APCC, MassBays	28			
2017		355				289	4,849	2,293	53	4/26/17	11.0	4/14/17	13.0	5/20/17	14.0	22			25			
2018		1,068				246	12,716	3,850	79	5/4/18	16.0	4/1/18	9.0	5/16/18	16.0	20			20			
2019		652				292	7,406	1,397	68	4/21/19	14.0	4/3/19	7.0	6/18/19	12.0	18			25			
2020																						
2021		106				230	2,492	1,803	12	4/15/21	10.0	4/10/21	NA	5/15/21	19.0	12			15			
2022		60				298	1,327	476	7	5/2/22	11.0	4/17/22	12.0	6/15/22	21.0	22.00			23			
2023		163				376	3,476	7	5/2/23	15.7	4/10/23	11.0	5/8/23	19.5	24		6/1/23	20				
2024		287				334	2,857	16	4/29/24	17.0	4/9/24	13.3	5/13/24	22.9	33		5/14/24	24				
						Average:	405		4,845													
Herring Pond (aka Herring Brook, Eastham)	Eastham	Cape Cod Bay	2016		35	291	378	596	15	4/22/16	15.7	4/8/16	8.0	5/11/16	12.0	20		Eastham Herring Monitors	25			
			2017		15	241	344	334	9	4/29/17	14.0	4/27/17	12.0	5/10/17	12.0	21		Town of Eastham	19			
			2018		249	246	3,310	1,231	27	5/4/18	20.0	4/13/18	8.0	5/15/18	18.0	20		APCC, MassBays	23			
			2019		198	283	1,788	643	14	4/20/19	13.0	4/16/19	10.0	5/2								

Run Name	Town	Marine water body	Year	Electronic Counts	# Fish Counted	# of Observations	Estimated Run Size (Visual Counts)	Plus/Minus	Peak 10 Min Count	Date of Peak Count	Water temperature at Peak 10-minute count	First fish counted	Water temperature when first fish counted	Date when last fish counted	Water temperature when last fish counted	Peak Water Temp	Water Temp	Date of Peak	Towns, Organizations & Partners	No. Volunteers		
Pilgrim Lake	Orleans	Pleasant Bay	2008		158	439	1,647		35	4/23/08	20.0	4/5/08	8.0	5/19/08	18.0	24.00			Shellfish & Waterways Committee	41		
			2009		108	517	1,090		26	4/22/09	12.0	4/11/09	10.0	5/13/09	16.0	24.00			Town of Orleans	66		
			2010		182	477	1,461		70	4/29/10	14.0	4/8/10	16.0	5/4/10	20.0	26.00			APCC, MassBays	NA		
			2011		104	481	1,370		32	5/5/11	16.0	4/6/11	11.0	5/26/11	21.0	26.00				78+		
			2012		551	497	5,931		64	4/16/12	1,371	1,175	20.0	3/26/12	11.0	5/25/12	20.5	26.00				78+
			2013		313	477	3,001				1,175					5/31/13						67
			2014		370	449	4,202				2,534											
			2015		420	420	4,245															
			2016		1,539		19,648				4,216						5/31/16					
			2017		2,885	446	27,551				8,016	187	4/13/17		4/6/17	6 to 8	5/31/17	14 to 17				
			2018		2,654	472	28,135				14,322				4/1/18	7 to 10	5/25/18	17 to 23				60+
			2019		1,865	461	17,876				11,604				3/31/19	9 to 15	5/29/19	14 to 18				
			2020																			
			2021				1,479		16,902		6,463											
2022				1,559	520	10,987		2,480					3/20/22	10.0								
2023				2,154	583	15,347							3/23/23	9.0	5/29/23	17.0						
2024				652	587	5,362			117	5/8/24			3/29/24	6.0	5/25/24	21.0	22.00		56			
				Average:	1,063		10,297															
Mill Creek	Sandwich	Cape Cod Bay	2011		16	111	NA		3	5/25/11	18.0	4/9/11	9.5	5/25/11	18.0	22.00			MassBays	9		
			2012		361	39	8,756		1,078	77	4/7/12	10.0	4/3/12	8.0	5/15/12	20.0	20.00				8	
			2013		37	8	NA		NA	21	5/20/13	19.0	5/7/13	19.0	6/6/13	22.0	22.00				2	
			2014		NA	8	NA		NA	NA	4/9/12	NA	NA	NA	NA	NA	NA	NA	NA			
			2015		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
			2016		430	13	NA		NA	200	5/11/16	17.0	4/16/16	9.0	5/14/16	20.0	20.00				2	
			2017		395	93	20,215		5,137	29	4/14/17	13.0	4/4/17	7.0	6/2/17	17.0	21.00				2	
			2018		510	96	22,711		6,097	75	4/26/18	16.0	4/6/18	6 to 8	6/3/18	22.0	24.00				2	
			2019		92	402	1,002		310	9	5/12/19	18.0	4/17/19	15.0	5/22/19	23.0	24.00				28	
			2020		0	9																1
			2021																			
			2022				123	247	NA		NA	20	5/20/22	19.0	4/7/22	11.0	5/29/22	18.0	26.00	6/26/22		11
			2023				28	274	532		3	4/16/23	17.5	4/16/23	17.5	4/30/23	16.0	28.00	6/15/23			
			2024				10	157	308		1	4/11/24	4.0	4/11/24	4.0	5/29/24	24.0	27.00	6/4/24			11
				Average:	182		8,521															
Upper Shawme Pond	Sandwich	Cape Cod Bay	2011		0	23	NA		0	NA	NA	NA	NA	NA	NA	17.00			Electronic counter	6		
			2012	4089	1	25	NA		NA	1	4/24/12	15.0	4/24/12	15.0	4/24/12	15.0	22.00		MassBays	1		
Herring River	Wellfleet	Cape Cod Bay	2009		1,663	235	21,870		3,976	131	4/18/09	11.0	4/7/09	9.5	5/25/09	20.0	20.00		Friends of Herring River	18		
			2010		744	265	12,052		1,595	61	4/7/10	14.5	4/4/10	13.0	5/30/10	23.0	24.00		Town of Wellfleet	20		
			2011		564	222	9,534		1,640	111	4/27/11	16.0	4/10/11	10.5	5/23/11	8.0	24.00		APCC, MassBays	20		
			2012		1,192	466	11,653		4,179	122	4/9/12	13.0	3/9/12	10.0	5/24/12	20.0	22.00			32		
			2013		2,035	383	24,985		11,813	220	4/26/13	11.5	4/6/13	7.0	5/26/13	16.0	23.00			23		
			2014		4,903	323	61,781		7,556	320	4/14/14	12.5	4/9/14	8.5	5/26/14	19.0	22.00			26		
			2015		1,480	293	18,025		6,207	208	4/26/15	12.0	4/11/15	8.0	5/25/15	17.0	24.00			22		
			2016		1,379	347	12,874		4,505	143	4/22/16	13.0	3/18/16	13.0	5/24/16	20.0	23.00			32		
			2017		673	279	8,044		5,385	177	4/11/17	12.5	4/7/17	7.0	5/18/17	22.0	22.00			30		
			2018		2,426	304	27,083		11,440	288	4/29/18	14.0	4/11/18	9.0	5/30/18	18.0	24.00			25		
			2019		3,244	318	46,009		13,617	214	5/8/19	17.0	4/6/19	9.0	5/29/19	16.0	20.00			30		
			2020		1,555	473	13,267		3,602	81	4/30/20	9.5	3/27/20	10.0	5/27/20	17.0	28					
			2021		2,640	373	31,710		7,830	312	5/14/21	19.0	4/10/21	11.0	5/23/21	22.0	15.00			35		
			2022		5,215	554	47,384		12,608	416	5/13/22	20.0	3/21/22	9.2	5/31/22	22.0	22.90	6/11/22		40		
2023		7,040	495	65,529		12,248	300	4/28/23	17.5	3/30/23	10.0	6/11/23	18.9	22.80	5/13/23		35					
2024		3,291	550	19,781		19,781	210	4/30/24	15.0	4/1/24	10.0	5/30/24	15.5	28.80	6/5/24		54					
				Average:	2,503		26,974															
Tom Mathews Pond	Yarmouth	Cape Cod Bay	2014		5,925	248	70,169		8,674	178	5/15/14	22.0	4/18/14	3.0	5/27/14	20.0			Bass River Rod & Gun Club	13		
			2015		2,706	141	52,742		9,589	174	5/7/15	20.0	4/4/15	10.0	5/22/15	18.0	24		APCC, MassBays	5		
			2016		1,139	137	25,872		6,003	76	4/19/16	14.0	4/14/16	10.0	5/28/16	22.0	23.00			5		
			2017		34	93	826		724	8	5/1/17	17.0	4/17/17	19.0	5/2/17	16.0	23.00			4		
			2018		32	144	966		819	13	5/12/18	17.0	5/4/18	20.0	5/16/18	19.0	24.00			7		
			2019		16	92	830		617	7	5/17/19	14.0	4/22/19	14.0	5/17/19	14.0	16.00			5		
			2020		2	27			2	4/1/20	10.0	4/1/20	10.0	4/1/20	10.0						1	
			2021		1	96	39		489	1	5/12/21	16.0	5/12/21	16.0	5/12/21	16.0	25.00			12		
			2022		0	93	0		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8	
							Average:			18,931												
Long Pond	Yarmouth	Nantucket Sound	2016		917	420	9,270		1,513	56	4/19/16	15.0	3/12/16	10.0	5/21/16	21.0	25		Town of Yarmouth	21		
			2017		222	271	2,805		1,347	45	4/11/17	11.0	3/13/17	13.0	5/21/17	20.0	24		Cape Cod Salties	23		
			2018		1	107	13		NA	1	4/23/18	13.0	4/23/18	13.0	4/23/18	13.0	21		APCC, MassBays	18		
			2019		122	141	2,770		980	16	4/15/19	15.0	4/8/19	13.0	5/9/19	19.0	20			18		
			2020																			
			2021		16	98	394		295	3	4/28/21	13.0	4/8/21	13.0	5/28/21	13.0	13.6			10		
			2022		94	91	Insufficient data		24	5/9/23	19.0	4/3/23	9.0	6/19/23	19.0	25.0	5/31/23					
2024		305	378	3,311		94	4/13/24	10.0	4/5/24	10.0	5/16/24	17.0	26.0	6/14/24				48				
				Average:	240		3,094															
Trunk River	Falmouth	Vineyard Sound	2012		4,158	65	NA		141	4/21/12		3/15/12	NA	5/19/12		NA			Trunk River Volunteers	15		
			2022		945	319	13,092		5,679	165	5/4/22		4/16/22		5/24/22					17		
			2023		2,391	223	40,250		564	4/30/23	13.0	4/5/23	10.0	5/17/23	14.0	24	4/14/23					
			2024		4,040	320	57,398		539</													