

SUMMARY OF CAPE COD HERRING COUNTS, 2007 - 2023

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

Key: Estimated run size based on visual counts be cancelled or cut back. NA - not available

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	Date of Peak Water Temp	Towns, Organizations & Partners	No. Volunteers			
											Water temperature	Water temperature		Water temperature	Water temperature										
Stony Brook	Brewster	Cape Cod Bay	2007	2,588	437	22,348	1,275	157	5/14/07	20.0	4/22/07	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							24			
			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								22		
			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								14		
			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									13	
			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									15	
			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									13	
			2015	19,462	235	251,530	17,110	519	5/8/15	17.0	4/14/15	11.0	6/20/15	19.0	26.00									10	
			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	839	141	30,328	4,706	55	4/30/17	17.0	4/11/17	11.0	5/29/17	17.0	23.00									11	
			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									10	
			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									4	
			2020																						7
2021	86173	971	63	NA																		11			
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												
2023	12,458	422	132,389	364	4/16/23	17.0	4/6/23	10.0	6/24/23	18.0	25.00	6/1/23													
Average:				241,715	7,048	91,888																			
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	4/17/17	16.0	23.00						APCC, MassBays	1			
			2018	3,048	257	31,582	15,853	625	5/1/18	13.5	3/31/18	NA	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	107	4,601																			
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	5/15/18	18.0	4/25/18	13.0	5/24/18	20.0	23.00									16	
			2019	988	117	12,652	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	25.00	5/12/23									7				
Average:				1,218	107	32,652																			
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																			Dennis Conservation Trust	8		
			2018		86	NA	NA	13	4/29/18	14.0	4/26/18	13.0	5/15/18	17.0	22.00								11		
			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								2		
			2020	115	33	NA	NA	21	4/7/20, 4/14/20	10.0	4/7/20	10.0	5/7/20	NA										5	
			2021	0	71	NA	NA	NA	NA	NA	NA	NA	NA	22.00	5/19/21									8	
			2022	13	133	NA	NA	5	5/15/22	22.0	4/19/22	12.0	5/24/22	21.0	22.00	5/22/22								5	
			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	
			Average:				108	107	12,005																
Bridge Pond (aka Herring River, Eastham)	Eastham	Cape Cod Bay	2014	749	295	NA	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	5/19/15	10.0	4/19/15	11.0	5/19/15	19.0	21.50						Town of Eastham	28			
			2016	153	284	1,932	304	20	4/21/16	10.0	3/25/16	13.0	5/18/16	13.0	19.00						APCC, MassBays	27			
			2017	355	289	4,849	2,293	53	4/26/17	11.0	4/14/17	13.0	5/20/17	14.0	22.00								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	20.00								20		
			2019	652	292	7,406	1,397	68	4/21/19	14.0	4/3/19	7.0	6/18/19	12.0	18.00									25	
			2020																						
			2021	106	230	2,492	1,803	12	4/15/21	10.0	4/10/21	NA	5/15/21	19.0	12.00									15	
			2022	60	298	1,327	476	7	5/2/22	11.0	4/17/22	11.0	6/15/22	19.5	24.00	6/1/23								23	
			2023	163	376	3,476	7	5/2/23	15.0	4/10/23	11.0	5/8/23	19.5	24.00	6/1/23									20	
			Average:				419	376	4,079																
Herring Pond (aka Herring Brook, Eastham)	Eastham	Cape Cod Bay	2016																						

2015	NA	NA	NA	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	20.0	20.0	20.0	20.0	20.0	2	
2017	395	93	20,215	5,137	29	4/14/17	13.0	4/4/17	7.0	6/2/17	17.0	21.0	21.0	21.0	21.0	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	24.0	24.0	24.0	24.0	2		
2019	92	402	1,002	310	9	5/12/19	18.0	4/17/19	15.0	5/22/19	23.0	24.0	24.0	24.0	24.0	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	26.0	26.0	26.0	26.0	6/26/22	11	
2023	28	274	532		3	4/16/23	17.5	4/16/23	17.5	4/30/23	16.0	28.0	28.0	28.0	28.0	6/15/23		
Average:	199		10,643															
Upper Shawme Pond Sandwich	Cape Cod Bay	2011	0	23	NA	NA	0	NA	NA	NA	NA	17.0	17.0	17.0	17.0	17.0	MassBays	6
		2012	4089	1	25	NA	1	4/24/12	15.0	4/24/12	15.0	22.0	22.0	22.0	22.0	22.0	Electronic counter	1

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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	Date of Peak Water Temp	Towns, Organizations & Partners	No. Volunteers
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	20.0	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	24.0	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	24.0	APCC, MassBays	32	
			2012	1,192	466		11,653	4,179	122	4/9/12	13.0	3/9/12	10.0	5/24/12	20.0	22.0		23	
			2013	2,035	383		24,985	11,813	220	4/26/13	11.5	4/6/13	7.0	5/26/13	16.0	23.0		26	
			2014	4,903	323		61,781	7,556	320	4/14/14	12.5	4/9/14	8.5	5/26/14	19.0	22.0		22	
			2015	1,480	293		18,025	6,207	208	4/26/15	12.0	4/11/15	8.0	5/25/15	17.0	24.0		30	
			2016	1,379	347		12,874	4,505	143	4/22/16	13.0	3/18/16	12.0	5/24/16	20.0	23.0		28	
			2017	673	279		8,044	5,385	177	4/11/17	12.5	4/7/17	7.0	5/18/17	22.0	22.0		35	
			2018	2,426	304		27,083	11,440	288	4/29/18	14.0	4/11/18	9.0	5/30/18	18.0	24.0		40	
			2019	3,244	318		46,009	13,617	214	5/8/19	17.0	4/6/19	9.0	5/29/19	16.0	20.0			
			2020	1,555	473		13,267	3,602	81	4/30/20	9.5	3/27/20	10.0	5/27/20	17.0				
			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			
			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		
			2023	7,040	495		65,529	12,248	300	4/28/23	17.5	3/30/23	10.0	6/11/23	18.9		5/13/23		
Average:				2,450			27,453												
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	4/14/17	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	4/12/20	10.0	4/12/20	10.0	4/12/20	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	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																
			2023	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		
Average:				229			3,050												
Trunk River	Falmouth	Vineyard Sound	2012	4,158	65		NA	NA	141	4/21/12		3/15/12	NA	5/19/12	NA	NA	Trunk River Volunteers	15	
			2022	945	319		13,092	5,679	165	5/4/22		4/16/22		5/24/22		24		17	
			2023	2,391	223		40,250	564	564	4/30/23	13.0	4/5/23	10.0	5/17/23	14.0	24	4/14/23		
Average:				2,498			26,671												
Marstons Mills River Barnstable		Nantucket Sound	2006	719	378		6,302		NA	4/15/06		4/12/06	NA	5/14/06	NA	NA	Marstons Mills River Watershed Association (MMRW)		
			2007	1,741	378		13,862		NA	5/3/07		4/20/07	NA	5/17/07	NA	NA			
			2008	5,232	342		42,404		NA	4/20/08		4/10/08	NA	5/16/08	NA	NA			
			2009	1,332	225		10,668		NA	4/27/09		4/19/09	NA	5/10/09	NA	NA	APCC, MassBays		
			2010	478	270		3,944		NA	4/5/10		4/4/10	NA	5/3/10	NA	NA			
			2011	53	189		428		NA	4/17/11		4/17/11	NA	5/19/11	NA	NA	Three Bays Preservation		
			2012	10,327	479		87,308												
			2013	8,117	509		56,987												
			2014	6,396	391		47,006												
			2015	3,667	540		23,840		NA	4/17/15		3/21/15	NA	5/19/15	NA	NA	Barnstable Clean Water Coalition		
			2016	2,043	483		13,954											APCC, MassBays	
			2017	5,251	446		36,148												
			2018	1,567	474		10,306	1,139	49	5/3/18	17.5	4/12/18	14.0	5/17/18	14.0	23			
			2019	4,521	472		35,092	2,456	104	5/8/19	17.7	4/1/19	14.0	5/22/19	17.3	22			
			2020																
	Mill Pond		2021	5,736	431		54,713	5,663	186	4/20/21		4/1/21		5/30/21			Barnstable Clean Water Coalition		
	Middle Pond		2021	2,077	409		18,851	1,947	99	4/21/21		4/1/21		5/30/21			Barnstable Clean Water Coalition		
	Mill Pond		2022				50,961											Barnstable Clean Water Coalition	
	Middle Pond		2022				26,492											Barnstable Clean Water Coalition	
	Mill Pond		2023	12,952	490		92,723		493	4/15/23	19.2	4/2/23	14.2	5/13/23	20.1	22.7	6/2/23	60	
	Middle Pond		2023	6,382	468		55,926		351	5/2/23	14.8	4/6/23	9.0	6/12/23	21.0	24.9	5/27/23	49	
Average:				4,366			34,396												
Red Lily Pond	BA	Nantucket Sound	2013	42	190		913	651	12	5/7/13	20.0	4/9/13	11.5	5/7/13	20.0	26.00	Red Lily Pond Project	6	
			2014	17	35		NA	NA	11	4/22/14	12.0	4/22/14	12.0	5/25/14	20.0	20.00	APCC, MassBays	2	
			2015	7	22		NA	NA	2	5/4/15	26.0	5/4/15	26.0	5/23/15	19.0	26.00		1	
			2016																
			2017																
			2018																
			2019																
			2020																
			2021	5	253		127	124	1	5/10/21	14.0	5/10/21	14.0	5/27/21	21.0	20.00		10	
			2022	3	303		50	NA	1	4/25/22	13.0	4/25/22	13.0	5/31/22	20.0	27.00	6/13/22	6	
			2023	1	285		22	1	1	5/25/23	21.0	5/25/23	21.0	5/25/23	21.0	28.00	5/26/23		
Average:				13			72												
Centerville River	BA	Nantucket Sound	2021	9,285	125		216,143	59,777		5/2/22	14.0	4/1/22	8.0	5/30/22	21.0	26.50	6/14/22	2	
			2022	3,211	681		18,343	8,070	250	5/10/23	17.0	4/3/23	9.4	6/10/23	10.0	22.80	5/31/23	7	
			2023	10															