2023 Gulf of Maine Seabird Working Group Census Results

(Results from region-wide count period are reported here - refer to island synopsis or contact island staff for season totals)

Census Window: June 12-22 (peak of tern incubation)

Data missing or numbers need to be verified

Column headers: DATE | METHOD | COTE | ARTE | ROST | LETE | LAGU | ATPU | RAZO | COMU | BLGU | LHSP | BLSK | FLEDGE/NEST | N | SD | METHOD | EGGS/NEST | N | SD | OBSERVER

NOVA SCOTIA

ISLAND NAME	DATE	METHOD	COTE	ARTE	ROST	LETE	LAGU	ATPU	RAZO	COMU	BLGU	LHSP	BLSK	FLEDGE/NEST	N	SD	METHOD	EGGS/NEST	N	SD	OBSERVER
North Brother	6/9	N	587															2.47	30		D'Eon et al.
North Brother	6/9	N		38														1.76	37		D'Eon et al.
North Brother	6/9	N			51													1.43	61		D'Eon et al.
South Brother		no data																			
2023 NS COAST TOTAL			587	38	51																
2022 NS COAST TOTAL			855	134	50																
2021 NS COAST TOTAL			771	65	51																
2020 NS COAST TOTAL			664		49																
2019 NS COAST TOTAL			372	35	47	-	-														
2018 NS COAST TOTAL			0	0	0	0	0														
2017 NS COAST TOTAL						0	0														
2016 NS COAST TOTAL			619		50																
2015 NS COAST TOTAL			687		42																
2014 NS COAST TOTAL			**651**	**44**	**38**	**0**	**0**														
2013 NS COAST TOTAL			**596**	**50**	**38**	**0**	**0**														
2012 NS COAST TOTAL			**574**	**50**	**34**	**0**	**0**														
2011 NS COAST TOTAL			**631**	**60**	**38**	**0**	**0**														
2010 NS COAST TOTAL			**632**	**54**	**38**	**0**	**0**														
2009 NS COAST TOTAL			**473**	**42**	**42**	**0**	**0**														
2008 NS COAST TOTAL			**527**	**28**	**55**	**0**	**0**														

*2013 Data for The Brothers: reported as total count, with 38 roseates.

NEW BRUNSWICK

ISLAND NAME	DATE	METHOD	COTE	ARTE	ROST	LETE	LAGU	ATPU	RAZO	COMU	BLGU	LHSP	BLSK	FLEDGE/NEST	N	SD	METHOD	EGGS/NEST	N	SD	OBSERVER
Machias Seal	Estimate, No Census	NP		97										0.24	67			1.30	67		UNB
Machias Seal	no census							no census						0.33	42			1.00	82		UNB
Machias Seal	no census								no census					0.57	97			1.00	97		UNB
Machias Seal	6/30 - 7/2									843											UNB
2023 NB COAST TOTAL			0	97	0					843											
2022 NB COAST TOTAL			0	300	0					998											
2021 NB COAST TOTAL										**942**											
2020 NB COAST TOTAL		NP								**620**											
2019 NB COAST TOTAL		NP	**25**	**430**	**0**	**0**	**0**														
2018 NB COAST TOTAL		NP	**17**	**459**	**0**	**0**	**0**														
2017 NB COAST TOTAL		NP	**18**	**282**	**0**	**0**	**0**														
2016 NB COAST TOTAL		NP	**11**	**165**	**0**	**0**	**0**														
2015 NB COAST TOTAL		NP	**6**	**144**	**0**	**0**	**0**														
2014 NB COAST TOTAL		NP	**4**	**134**	**0**	**0**	**0**														
2013 NB COAST TOTAL		NP	**4**	**86**	**0**	**0**	**0**														
2012 NB COAST TOTAL		NP	**2**	**48**	**0**	**0**	**0**														
2011 NB COAST TOTAL		NP	**3**	**72**	**0**	**0**	**0**														
2010 NB COAST TOTAL		NP	**7**	**168**	**0**	**0**	**0**														
2009 NB COAST TOTAL		NP	**6**	**144**	**0**	**0**	**0**														
2008 NB COAST TOTAL		NP	**5**	**117**	**0**	**0**	**0**														
2007 NB COAST TOTAL		NP	**3**	**72**	**0**	**0**	**0**														
2006 NB COAST TOTAL		NP	**213**	**904**	**0**	**0**	**0**														
2005 NB COAST TOTAL		**NP**	**1066**	**2158**	**0**	**0**	**0**														

No formal census completed

No tern census due to COVID-19 restrictions; no terns present when crew arrived on 4 July

A tern census was not conducted this year, but it is estimated that there were up to 500 attempted nests island-wide, with a probable species distribution of 85% ARTE and 5% COTE, similar to last year.

Estimated 300 nesting pairs from visual estimates, applied 2016 ratio of 94:6 ARTE:COTE

A tern census was not conducted this year, but it is estimated that there were up to 175 attempted nests island-wide, with a probable species distribution of 94% ARTE and 6% COTE, similar to last year.

Data reported for Machias Seal is reported as total count (90); species not separated. Species ratio of 96% ARTE and 4% COTE applied. Count spans entire season. Number of nests during census window not reported

no census conducted, estimate of 300-500 birds on island; reported 50 nests from visual estimation w/ 96% ARTE and 4% COTE species ratio, lower than previous 2 years.

300-500 birds on island, reported 75 nests from visual estimation with 96% ARTE and 4% COTE species ratio; 33 nests found in marked plots,

300-500 birds on island, reported 175 nests with 96% ARTE and 4% COTE species ratio; 94 nests found in marked plots

35 nests found in marked plots, used 96% ARTE and 4% COTE species ratio

74 nests found in marked plots, used 96% ARTE and 4% COTE species ratio

MAINE

ISLAND NAME	DATE	METHOD	COTE	ARTE	ROST	LETE	LAGU	ATPU	RAZO	COMU	BLGU	LHSP	BLSK	FLEDGE/NEST	N	SD	METHOD	EGGS/NEST	N	SD	OBSERVER
Eastern Brothers	not reported	no data																			USFWS
Petit Manan	6/14	N	637											0.56	36	0.66	1,2	1.89	36	0.72	USFWS
Petit Manan	6/14	N		307										0.34	56	0.55	1,2	1.48	56	0.50	USFWS
Petit Manan	6/14	N					3														USFWS
Petit Manan	season total	N						91						0.63	86	0.49	3	1.00	86	0.00	USFWS

Petit Manan	season total	N							5					0.20	5		3	1.00	5	0.00	USFWS
Petit Manan	season total	N									87			1.05	56	0.86	3	1.84	56	0.37	USFWS
Petit Manan	season total	N										at least 45									USFWS
Ship Island	6/12	N	1,394											1.50	64		2	2.63	64	0.55	USFWS
Dry Money Ledge	not reported																				USFWS
Crow Island	see notes																				
Conary Nub	see notes																				
Ingalls Island	not reported																				
Squid Island Ledge	not reported																				
Little Nash Island	not reported																				
Wooden Ball Island	not reported																				John Drury
Three Bush Island	see notes																				John Drury
Eaton Island Ledge	6/12	VEB	0																		MDIFW
Hardhead	6/12	VEB	0																		MDIFW
Colt Head I	6/12	VEB	0																		MDIFW
Grass Ledge West	6/12	N	10																		MDIFW
Grass Ledge East	6/12	VEB	0																		MDIFW
Sloop Island	not reported																				MDIFW
Spoon Ledge	6/12	VEB	0																		MDIFW
Green Ledge	6/12	N	22																		MDIFW
Seal Island NWR	6/16	EX	1,109											0.51	59		1,2	1.93	59		Audubon
Seal Island NWR	6/16	EX		550										0.60	30		1,2	1.50	30		Audubon
Seal Island NWR	no census							no census						0.58	62		3	1.00	62		Audubon
Seal Island NWR	5/27	N							95					0.62	45		3	1.00	45		Audubon
Seal Island NWR	no census										no census			0.60	45		3	1.82	45		Audubon
Matinicus Rock	6/19 - 6/20	N	290											0.81	27		1,2	1.67	27		Audubon
Matinicus Rock	6/19 - 6/20	N		686										0.77	47		1,2	1.47	47		Audubon
Matinicus Rock	6/19 - 6/20	N					4														Audubon
Matinicus Rock	no census							no census						0.49	69		3	1.00	69		Audubon
Matinicus Rock	no census								no census					0.55	42		3	1.00	42		Audubon
Matinicus Rock	6/1	NP								18											Audubon
Matinicus Rock	no census										no census			0.67	45		3	1.71	45		Audubon
Metinic	6/16	N	858											1.07	59	0.49	2	2.37	59		USFWS
Metinic	6/16	N		373										0.85	26	0.54	2	1.42	26		USFWS
Metinic	season total	N									at least 84			0.67	82	0.84	3	1.83	82		USFWS
Metinic	season total	N										at least 200									USFWS
Poverty Nub	not reported																				
The Brothers (Muscongus Bay)	not reported																				USFWS
Eastern Egg Rock	6/9 - 6/11	N	1,552											0.38	77		1,2	2.52	77		Audubon
Eastern Egg Rock	thru 6/20	N		53										-	-		3	1.81	53		Audubon
Eastern Egg Rock	thru 6/20	N			69									0.99	69		3	2.00	69		Audubon
Eastern Egg Rock	6/9 - 6/11	N					1,635														Audubon
Eastern Egg Rock	season total	N						at least 154													Audubon
Western Egg Rock	no census																				Audubon
Pond Island NWR	6/16	N	1,641											0.88	81		1,2	2.20	81		Audubon
Pond Island NWR	thru 6/20	N		4										1.00	5		3	2.00	4		Audubon
Pond Island NWR	thru 6/20	N			9									0.11	9		3	1.67	9		Audubon
Hen Island	6/9	N	0																		Audubon
Jenny Island	6/8	N	1,857	0										0.35	79		1,2	2.01	79		Audubon
Jenny Island	thru 6/20	N			22									1.14	22		3	1.70	22		Audubon
Outer Green Island	6/11	N	1,741	0	0									0.44	80		1,2	1.95	80		Audubon
Stratton Island	6/9 - 6/10	N	1,065											0.41	46		1,2	2.04	46		Audubon
Stratton Island	thru 6/20	N		4										0.25	4		3	1.75	4		Audubon
Stratton Island	thru 6/20	N			86									0.92	104		3	1.63	104		Audubon
Stratton Island	6/15	N				76								0.05	76		3				Audubon
Wells Beach	6/15	N				0															ME Audubon
Crescent Surf	6/27	N				77															USFWS
Western Beach	6/15	N				0															ME Audubon
Goose Rocks Beach	6/15	N				8															ME Audubon
Reid Beach	6/15	N				0															ME Audubon
Popham Beach	6/15	N				0															ME Audubon
Higgins Beach	6/15	N				20															ME Audubon
Laudholm Farm	6/27	N				9															USFWS
Seawall Beach	6/15	N				3															ME Audubon
Ram Island	6/15	N				0															ME Audubon
2023 ME COAST TOTAL			12,176	1,977	186	193	1,642														
2022 ME COAST TOTAL			10,066	2,667	238	282	1,332														
2021 ME COAST TOTAL			11,011	2,472	244	291	1,202														
2020 ME COAST TOTAL*	2020 not comparable to previous years d		8,720	827	217	258	1,842														
2019 ME COAST TOTAL			**10,161**	**2,280**	**219**	**296**	**1,127**														
2018 ME COAST TOTAL			**9,689**	**2,346**	**236**	**319**	**1,568**														
2017 ME COAST TOTAL			**8,647**	**2,151**	**245**	**253**	**2,360**														
2016 ME COAST TOTAL			**7,952**	**2,348**	**178**	**238**	**2,342**														
2015 ME COAST TOTAL			**8,926**	**2,462**	**200**	**81**	**2,563**														
2014 ME COAST TOTAL			**7,944**	**2,283**	**180**	**249**	**3,183**														
2013 ME COAST TOTAL			**8,074**	**2,387**	**185**	**224**	**3,177**														
2012 ME COAST TOTAL			**8,145**	**2,478**	**140**	**192**	**3,433**														

***Not all colonies censused in 2020 due to COVID-19**

2011 ME COAST TOTAL			**7,921**	**2,904**	**151**	**75**	**3,675**						
2010 ME COAST TOTAL			**7,822**	**3,063**	**170**	**231**	**2,820**						
2009 ME COAST TOTAL			**7,997**	**4,069**	**184**	**176**	**4,467**						
2008 ME COAST TOTAL			**7,397**	**4,297**	**200**	**162**	**4,477**						
2007 ME COAST TOTAL			**7,675**	**4,228**	**225**	**158**	**4,171**						

NEW HAMPSHIRE

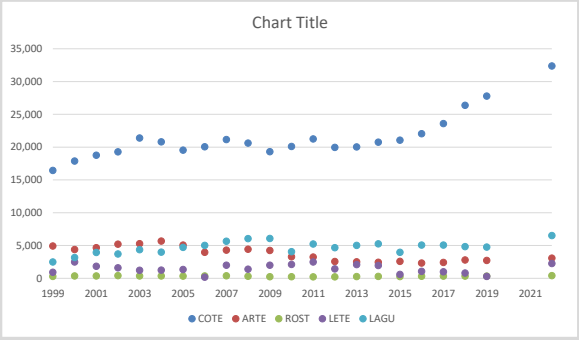
ISLAND NAME	DATE	METHOD	COTE	ARTE	ROST	LETE	LAGU	ATPU	RAZO	COMU	BLGU	LHSP	BLSK	FLEDGE/NEST	N	SD	METHOD	EGGS/NEST	N	SD	OBSERVER
White & Seavey Islands	6/10 - 6/19	N	3,165											0.39	77		2	1.71	77		
White & Seavey Islands	thru 6/20	N		0										n/a							
White & Seavey Islands	thru 6/20	N			151									0.87	120		3	1.44	120		
2023 NH TOTAL			3,165	0	151	0	0														
2022 NH TOTAL			**3,066**	**1**	**124**	**0**	**0**														
2021 NH TOTAL			**3,412**	**1**	**112**	**0**	**0**														
2020 NH TOTAL			**3,280**	**1**	**96**	**0**	**0**														
2019 NH TOTAL			**2,900**	**1**	**80**	**0**	**0**														
2018 NH TOTAL			**2,175**	**1**	**55**	**0**	**0**														
2017 NH TOTAL			**3,210**	**2**	**92**	**0**	**0**														
2016 NH TOTAL			**2,985**	**3**	**83**	**0**	**0**														
2015 NH TOTAL			**2,262**	**2**	**68**	**0**	**0**														
2014 NH TOTAL			**2,548**	**3**	**69**	**0**	**0**														
2013 NH TOTAL			**2,269**	**2**	**51**	**0**	**0**														
2012 NH TOTAL			**2,044**	**4**	**51**	**0**	**0**														
2011 NH Total			**2,447**	**3**	**42**	**0**	**0**														
2010 NH Total			**2,251**	**6**	**48**	**0**	**0**														
2009 NH Total			**1,993**	**6**	**34**	**0**	**0**														
2008 NH Total			**2,011**	**6**	**40**	**0**	**0**														
2007 NH Total			**2,121**	**5**	**52**	**0**	**0**														

MASSACHUSETTS

ISLAND NAME	DATE	METHOD	COTE	ARTE	ROST	LETE	LAGU	ATPU	RAZO	COMU	BLGU	LHSP	BLSK	FLEDGE/NEST	N	SD	METHOD	EGGS/NEST	N	SD	OBSERVER
North Shore region			**22**	**0**	**0**	**377**	**0**						**0**								**MDFW**
South Shore region			**2**	**0**	**0**	**341**	**0**						**0**								**MDFW**
Lower Cape region			**19,589**	**0**	**39**	**1,095**	**6641**						**0**								**MDFW**
North Monomoy	Estimate, no census		0	0	0	0	0														FWS
Minimoy	6/16	N	47				1						0								FWS
South Monomoy	6/6 - 6/9	N	19,875											1.36	407		2	2.56	407		FWS
South Monomoy	6/6 - 6/9	N			40									0.85	40		3	1.58	40		FWS
South Monomoy	6/6 - 6/9	N				611															FWS
South Monomoy	6/6 - 6/9	N					7,751														FWS
Upper Cape region			**5**	**0**	**0**	**690**	**0**						**0**								**MDFW**
Buzzards Bay region			**6,746**	**0**	**3,540**	**308**	**0**						**0**								**MDFW**
Bird Island			3,085											**0.80**							MDFW
Bird Island					1,956									**1.07**							MDFW
Ram Island			3,650											**1.05**							MDFW
Ram Island					1,584									**1.37**							MDFW
Elizabeth Islands region			**1,594**	**0**	**18**	**73**	**0**						**0**								**MDFW**
Penikese Island			1,592											**1.89**							
Penikese Island					18									**1.34**							MDFW
Martha's Vineyard region			**364**	**0**	**34**	**529**	**0**						**22**								**MDFW**
Nantucket region			**189**	**0**	**1**	**153**	**0**						**0**								**MDFW**
2023 MASSACHUSETTS Totals (GOM only)*			**19,613**	**0**	**39**	**1,813**	**6,641**														
2022 MASSACHUSETTS Totals (GOM only)*			**18,407**	**0**	**18**	**1,988**	**5,201**														
2021 MASSACHUSETTS Totals (GOM only)*														***Not all colonies censused in 2021 due to COVID-19**							
2020 MASSACHUSETTS Totals (GOM only)*														***Not all colonies censused in 2020 due to COVID-19**							
2019 MASSACHUSETTS Totals (GOM only)			**14,344**	**0**	**12**	**12**	**3,659**														
2018 MASSACHUSETTS Totals (GOM only)			**13,472**	**0**	**30**	**499**	**3,272**														
2017 MASSACHUSETTS Totals (GOM only)			**11,723**	**0**	**11**	**751**	**2,714**														
2016 MASSACHUSETTS Totals (GOM only)			**10,505**	**0**	**12**	**839**	**2,738**														
2015 MASSACHUSETTS Totals (GOM only)			**9,207**	**0**	**11**	**532**	**1,424**														
2014 MASSACHUSETTS Totals (GOM only)			**9,636**	**0**	**8**	**1,713**	**2,089**														
2013 MASSACHUSETTS Totals (GOM only)			**9,104**	**0**	**8**	**1,872**	**1,863**														
2012 MASSACHUSETTS Totals (GOM only)			**9,200**	**0**	**8**	**1,268**	**1,253**														
2011 MASSACHUSETTS Totals (GOM only)			**10,147**	**0**	**12**	**2,438**	**1,581**														
2010 MASSACHUSETTS Totals (GOM only)			**9,413**	**2**	**9**	**1,892**	**1,249**														
2009 MASSACHUSETTS Totals (GOM only)			**8,862**	**4**	**0**	**1,846**	**1,618**														
2008 MASSACHUSETTS Totals			**10,690**	**2**	**31**	**1,242**	**1,582**														
2007 MASSACHUSETTS Totals			**10,740**	**1**	**45**	**1,853**	**1,498**														

	Year		COTE	ARTE	ROST	LETE	LAGU	ATPU	RAZO	COMU	BLGU	LHSP	BLSK	
2023 GULF OF MAINE TOTALS	**2023**		**35,541**	**2,112**	**427**	**2,006**	**8,283**							
2022 GULF OF MAINE TOTALS	**2022**		**32,394**	**3,102**	**430**	**2,270**	**6,533**							***Not all colonies censused in 2022**
2021 GULF OF MAINE TOTALS	**2021**	**Not tallied due to numerous incomplete censuses in GoM in 2021**												***Not all colonies censused in 2021 due to COVID-19**
2020 GULF OF MAINE TOTALS	**2020**	**Not tallied due to numerous incomplete censuses in GoM in 2020**												***Not all colonies censused in 2020 due to COVID-19**
2019 GULF OF MAINE TOTALS	**2019**		**27,802**	**2,746**	**358**	**308**	**4,786**							
2018 GULF OF MAINE TOTALS	**2018**		**26,388**	**2,807**	**358**	**818**	**4,840**							

2017 GULF OF MAINE TOTALS	2017		23,598	2,435	348	1,004	5,074						
2016 GULF OF MAINE TOTALS	2016		22,072	2,351	323	1,077	5,080						
2015 GULF OF MAINE TOTALS	2015		21,088	2,608	279	613	3,987						
2014 GULF OF MAINE TOTALS	2014		20,783	2,464	295	1,962	5,272						
2013 GULF OF MAINE TOTALS	2013		20,047	2,525	282	2,096	5,040						
2012 GULF OF MAINE TOTALS	2012		19,965	2,580	233	1,460	4,686						
2011 GULF OF MAINE TOTALS	2011		21,266	3,247	243	2,513	5,256						
2010 GULF OF MAINE TOTALS	2010		20,125	3,293	265	2,123	4,069						
2009 GULF OF MAINE TOTALS	2009		19,331	4,265	260	2,022	6,085						
2008 GULF OF MAINE TOTALS	2008		20,630	4,450	326	1,404	6,059						
2007 GULF OF MAINE TOTALS	2007		21,176	4,306	391	2,011	5,669						
2006 GULF OF MAINE TOTALS	2006		20,076	3,991	371	193	5,033						
2005 GULF OF MAINE TOTALS	2005		19,549	5,079	354	1,351	4,726						
2004 GULF OF MAINE TOTALS	2004		20,829	5,694	379	1,256	4,013						
2003 GULF OF MAINE TOTALS	2003		21,397	5,287	381	1,244	4,389						
2002 GULF OF MAINE TOTALS	2002		19,298	5,217	429	1,622	3,733						
2001 GULF OF MAINE TOTALS	2001		18,788	4,687	365	1,860	3,953						
2000 GULF OF MAINE TOTALS	2000		17,886	4,407	377	2,513	3,196						
1999 GULF OF MAINE TOTALS	1999		16,462	4,946	307	931	2,494						



Methods: N=nest count, NE=partial nest count & extrapolation NP=nesting pairs (visual estimate), VE=individual birds (visual estimate from island), VEB=individual birds (estimate from boat)
Productivity Methods: 1=feeding study, 2=fenced plot, 3=unfenced plot
Note: Productivity is expressed as the number of fledglings/nest, N=sample size, SD=standard deviation, 15-day old COTE and ARTE chicks are considered fledglings, study chicks found dead after fledge date are subracted from productivity estimate. ROST chicks were considered fledged based on survival to 10 days and weights during the first few days of life.