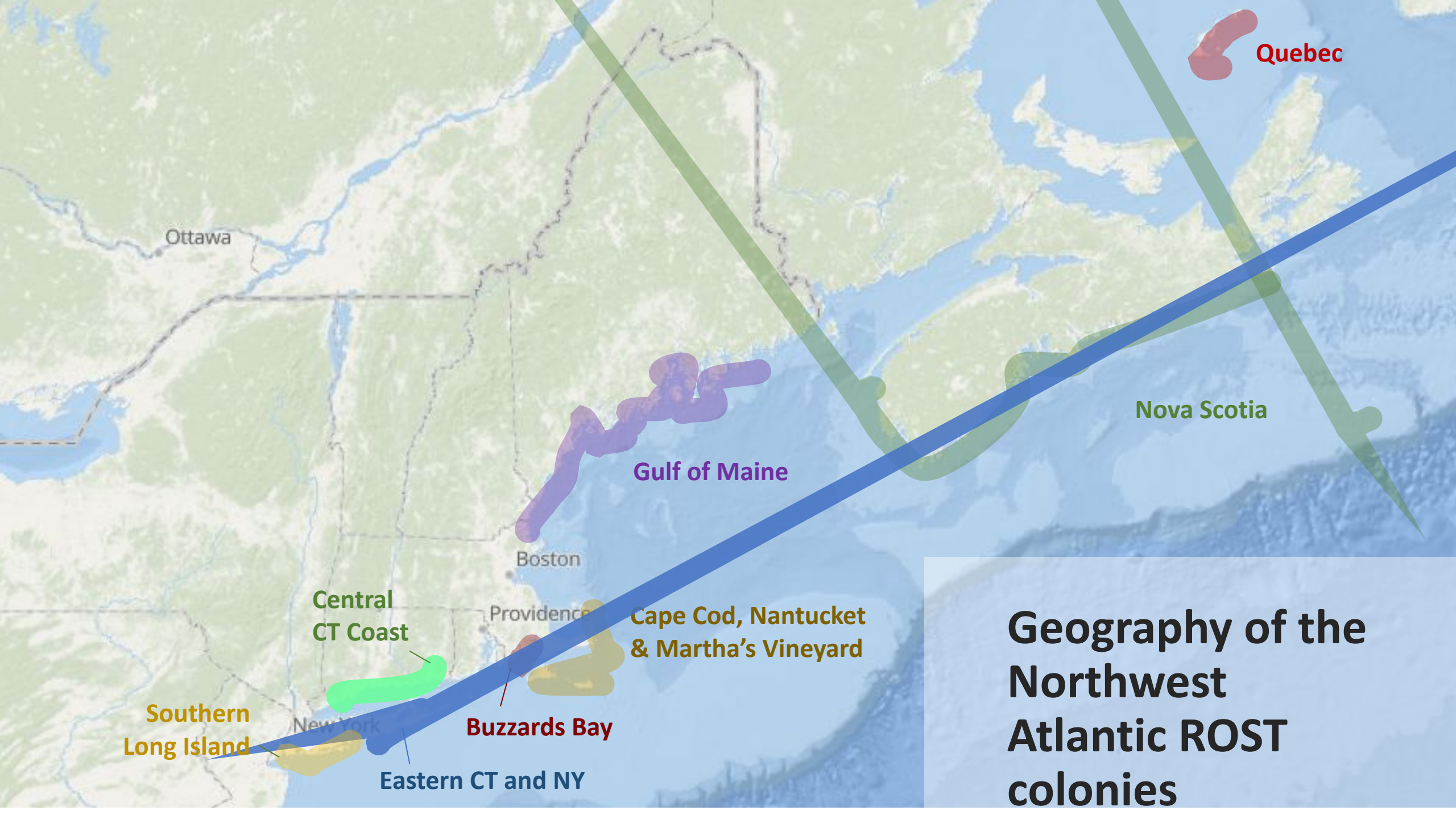


2024 Northwest Atlantic ROST All-Colony Update



Point of Contact: Rachel Stevens, US Fish and Wildlife Service

Slides adapted from Carolyn Mostello, Susi von Oettingen, and Meg Harrington with thanks.



Quebec

Nova Scotia

Gulf of Maine

Boston

Providence

Cape Cod, Nantucket & Martha's Vineyard

Buzzards Bay

Central CT Coast

New York

Eastern CT and NY

Southern Long Island

Geography of the Northwest Atlantic ROST colonies

Quebec

Québec	2022			2023			2024			Notes
	peak	total	prod	peak	total	prod	peak	total	prod	
Havre-aux-Maisons marina (dyke), QC	4	4		1	1					
Paquet Island, QC	0	0		0	0					
Chenal Island, QC	0	0		0	0					
Deuxième Islet, QC	0	0		0	0					
Travers Island, QC	nd	nd		nd	nd					
Pointe-de-l'Est, QC	0	0		0	0					
Bassin Island, QC	0	0		0	0					
Pont des Étroits Islet, QC	0	0		0	0					
Subtotal:	4	4		1	1		-	-		

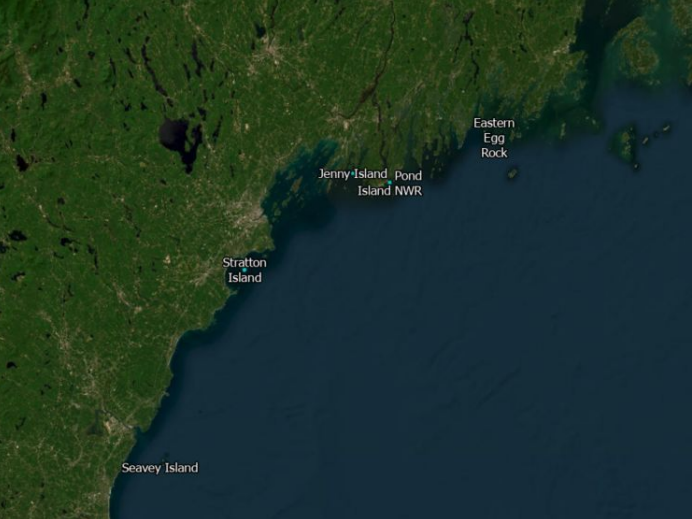


Nova Scotia

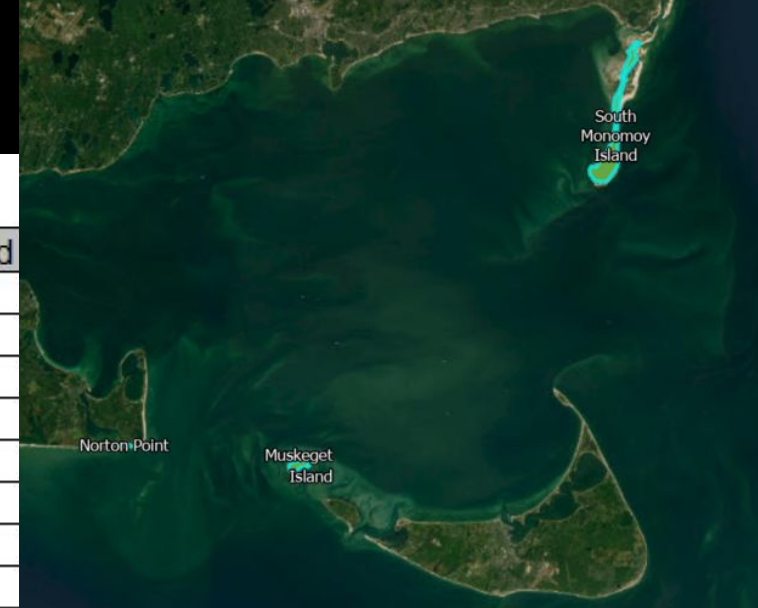
Nova Scotia	2022			2023			2024			Notes for 2024
	peak	total	prod	peak	total	prod	peak	total	prod	
Unnamed Island, S. of Cooks Island, NS										
Western I, NS										
Country I, NS	7		nd	14	14	0.29				
Lobster Island, NS										
Duck Island, NS										
MacDonald Point, NS										
Wedge Island, NS										
Mash Island, NS										
Westhaver Island, NS										
Grassy I., NS										
Gully I., NS										
Sable Island, NS	4	4	nd	4	4	nd	Cent	4	nd	
Hughes Island, NS										
Toby Island, NS				0	0		0	0	0.00	
Coffin Island, NS				0	0		0	0	0.00	
McNutt's Island, NS				0	0		0	0	0	One ROST seen in 2024, but no breeding evidence noted.
Salmon Island, NS				0	0		0	0	0	
The Cape, Cape Sable Island, NS	6	0	0	0	0		1	1	0	One ROST nest with one egg on Jun 17, 2024
Bear Point Thrums, Barrington, NS							0	0	0.00	
The Brothers, NS	43	50	nd	51	61	nd	63	68	nd	
Gull Island, Lobster Bay, NS				0	0		0	0	0.00	
Pinch Gut, Lobster Bay, NS				0	0		0	0	0.00	
Peases Island, NS				0	0		0	0	0.00	
Peter Island, NS										
Subtotal:	60	54		69	79		64	73		



Northern US: Gulf of Maine

Northern U.S. Gulf of Maine	2022			2023			2024			Notes for 2024
	peak	total	prod	peak	total	prod	peak	total	prod	
Petit Manan I., ME	nd	nd								 <p>Productivity estimate likely higher than reality due to a subcolony of ~30 ROST nests that experienced BCNH predation</p>
Conary Nub, ME	nd	nd								
Seal I. NWR, Vinalhaven, ME	0	0		0	0					
Matinicus Rock, Matinicus, ME	0	0		0	0					
Large Green I., ME	nd	nd								
Metinic I. (North end)	nd	nd								
The Brothers, ME	nd	nd								
Killick Stone, ME	nd	nd								
Eastern Egg Rock, Friendship, ME	78	78	1.05	70	70	1.01	79	79	1.22	
Pond I. NWR, Georgetown, ME	5	6	0.83	9	10	0.11	12	12	1	
Jenny I., Cundy's Harbor, ME	17	17	1.3	22	23	1.14	23	23	1.27	
Outer Green I., Portland, ME	0	0		0	0		0	0		
Stratton I., Scarborough, ME	138	138	1.25	86	86	0.92*	94	108	1.4	
Beach I., ME										
Western Goose Rocks, ME										
White I., NH	0	0	0	0	0					
Seavey I., NH	124	147	1.29	151	172	0.87	133	153	0.82	
Subtotal:	362	386		338	361		341	375		

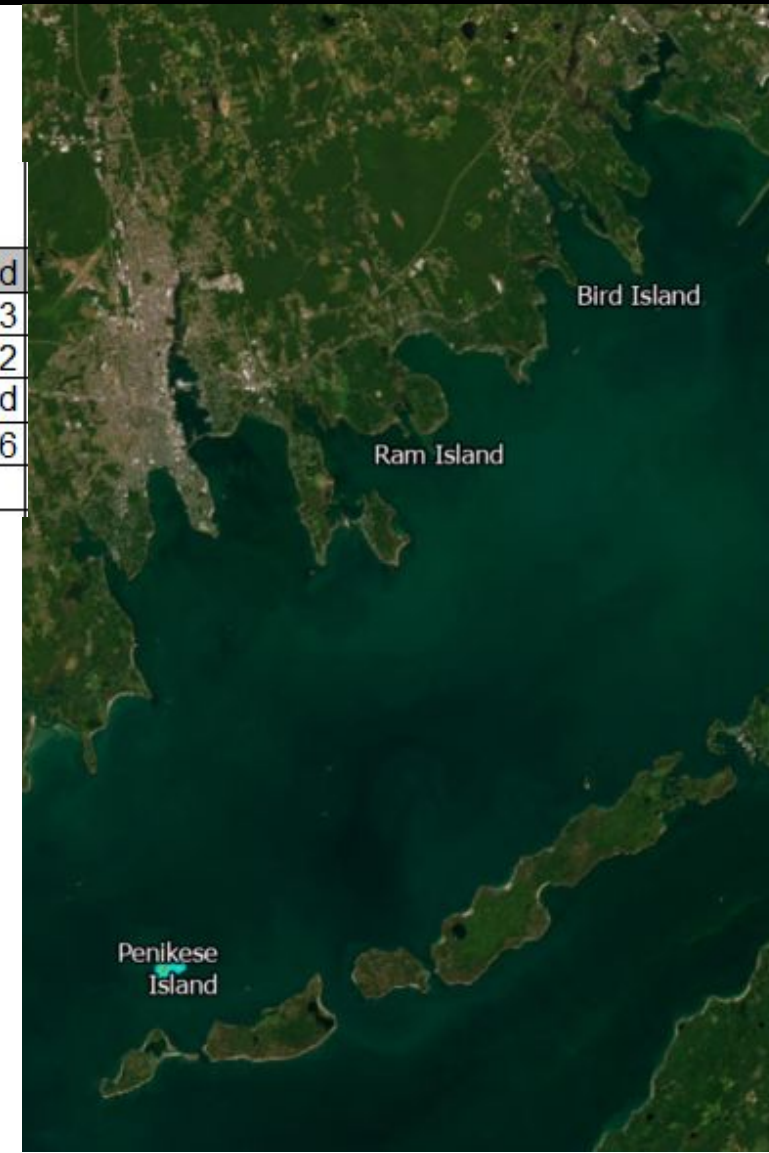
Cape Cod, Nantucket, and Martha's Vineyard, MA



	2022			2023			2024			
	peak	total	prod	peak	total	prod	peak	total	prod	
Cape Cod, Nantucket & Martha's Vin										
Plymouth Beach, MA	0	0		0	0		0	0		
Sandy Neck, MA	0	0		0	0		0	0		
Gray's Beach, Yarmouth, MA	0	0		0	0		0	0		
Nauset-Eastham, MA	0	0		0	0		0	0		
Nauset-New I., Eastham, MA	0	0		0	0		0	0		
Nauset-Chatham, MA	0	0		0	0		0	0		
Minimoy I., Chatham, MA	0	0					0	0		
N. Monomoy I., Chatham, MA	0	0		0	0		0	0		
S. Monomoy I., Chatham, MA	18	22	0.73	40	46	0.7	17	17	0.41	This is likely an undercount of the total number of nesting pairs on S. Monomoy I. due to limited time spent finding nests in
Dead Neck-Sampsons I., MA	0	0		0	0		0	0		
Haystack Point, MV, MA	0	0		0	0		0	0		
Little Beach, MV, MA	0	0		0	0		0	0		
Menemsha Pond, MV, MA	0	0		0	0		0	0		
Norton Pt., MV, MA	0	0	69*	69*	0	26*	26*	0		Many ROST were seen roosting, foraging and courting on site on shoreline. A few were observed readjusting over scrapes,
Cape Poge, MV	0	0		0	0		0	0		
Smith Point, Nantucket	0	0		0	0		0	0		
Muskeget I., Nantucket	149	172	nd	0	0		0	0		
Muskeget sandbars	0	0					0	0		
Tuckernuck I., Nantucket	0	0					0	0		
Subtotal:	167	194		40	46		17	17		

Buzzards Bay, Massachusetts

	2022			2023			2024		
Buzzards Bay, MA	peak	total	prod	peak	total	prod	peak	total	prod
Bird I., Marion, MA	2031	2031	0.82	1956	1956	1.07	2380	2380	1.03
Ram I., Mattapoisett, MA	934	934	0.60	1584	1584	1.37	1203	1203	0.92
Nashawena I., Gosnold, MA	nd	nd		nd	nd		nd	nd	nd
Penikese I., Gosnold, MA	38	38	1.36	18	18	1.34	18	18	1.36
Subtotal:	3003	3003		3558	3558		3601	3601	



Central Connecticut Coast

	2022			2023			2024			
Central Connecticut Coast	peak	total	prod	peak	total	prod	peak	total	prod	Notes for 2024
Duck I., CT	nd	nd	nd	nd	nd	nd				
Tuxis I., CT	0	0	0.00	0	0	0.00				
Falkner I., CT	3	3	1.00- 1.38	13	13	0.92	31	31	1.19	Great year for ROST on FI - lots of sand lance seen - no known predation; 1359np of common terns - no nest boxes put out on NS due to erosion of habitat
Subtotal:	3	3		13	13		31	31		



Eastern Connecticut and New York

Eastern CT & NY	2022			2023			2024		
	peak	total	prod	peak	total	prod	peak	total	prod
Shore Rock, Ocean Pt., CT									
Great Gull I., NY ¹	1787	1787	nd	2062	2062	1.47	2223	2223	1.54
Gardiners Point I. (Fort Tyler), NY									
Gardiners I., NY									
Gardiners I.-Cartwright Pt., NY (formerly, "Cartwright I.")	nd	nd		10	10	nd			
Hicks I., E. Hampton, NY									
Young's I., Smithtown, NY									
Subtotal:	1787	1787		2072	2072		2223	2223	



Southern Long Island, New York

	2022			2023			2024		
	peak	total	prod	peak	total	prod	peak	total	prod
Southern Long Island									
Warner Is., Southampton, NY									
Lanes I., Southampton, NY									
Greater Greenbacks I., Southampton, NY									
E. Inlet I., Brookhaven, NY									
New Made I., Brookhaven, NY									
Pattersquash I., Brookhaven, NY									
Sexton I., Islip, NY									
Cedar Beach, Babylon, NY									
Goose Flat, Babylon, NY									
Cedar I. Group, Babylon									
The Grouts, Babylon									
West End Jones Beach, Hempstead, NY									
Breezy Point, Queens City, NY									
Subtotal:	0	0		0	0				



rachel_stevens@fws.gov

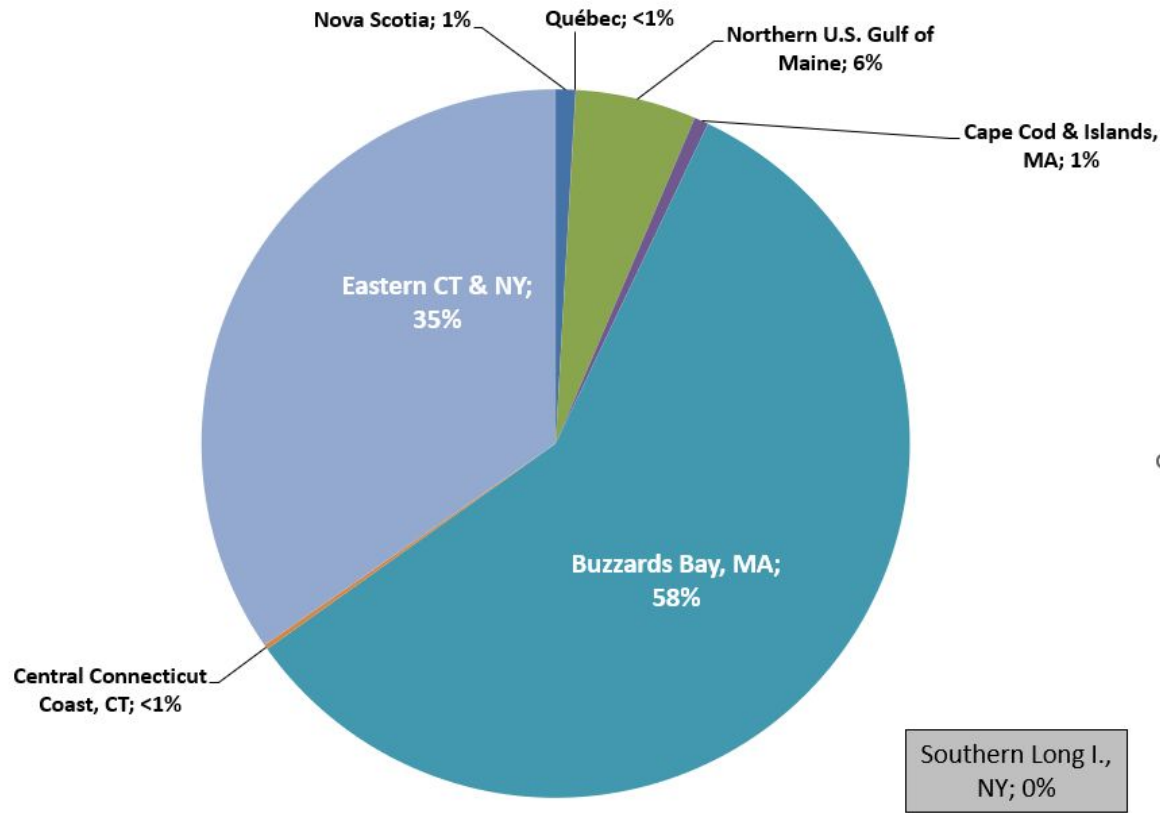
Northwest Atlantic All-colony Total

	2022		2023		2024	
	peak	total	peak	total	peak	total
Canada Subtotal*	64	58	70	80	64	73
U.S. Subtotal*	5322	5373	6021	6050	6213	6247
Canada + U.S. Total*	5386	5431	6091	6130	6277	6320

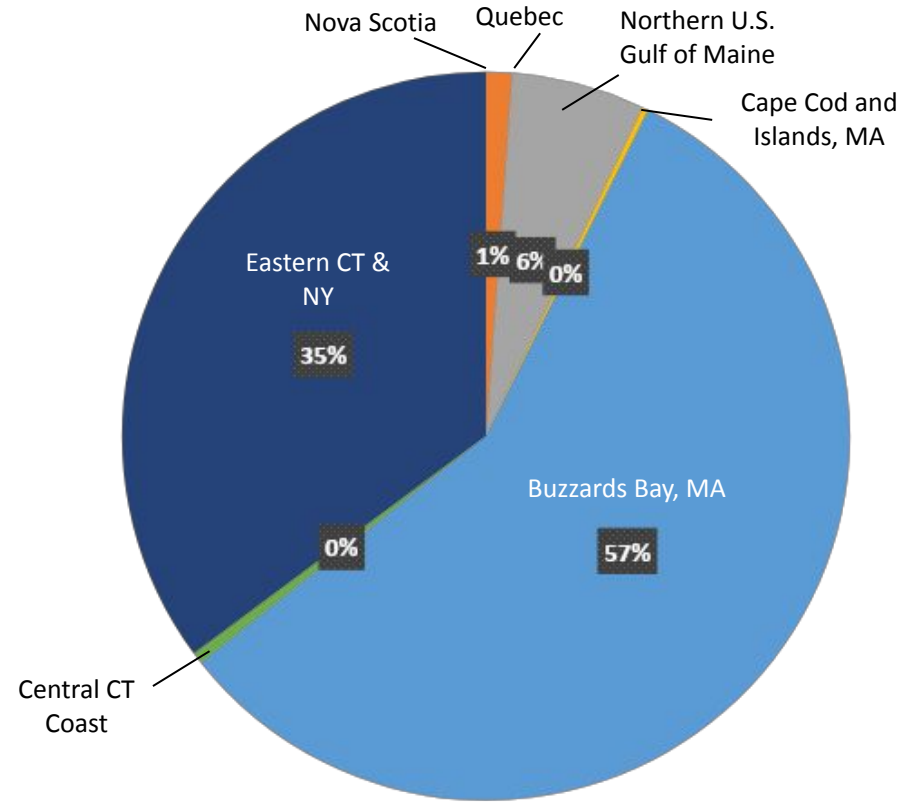
% change between peak count 2022 to 2023 = 13.76 %

% change between peak count 2023 to 2024 = 3.05 %

Percentage of Population by Sub-region

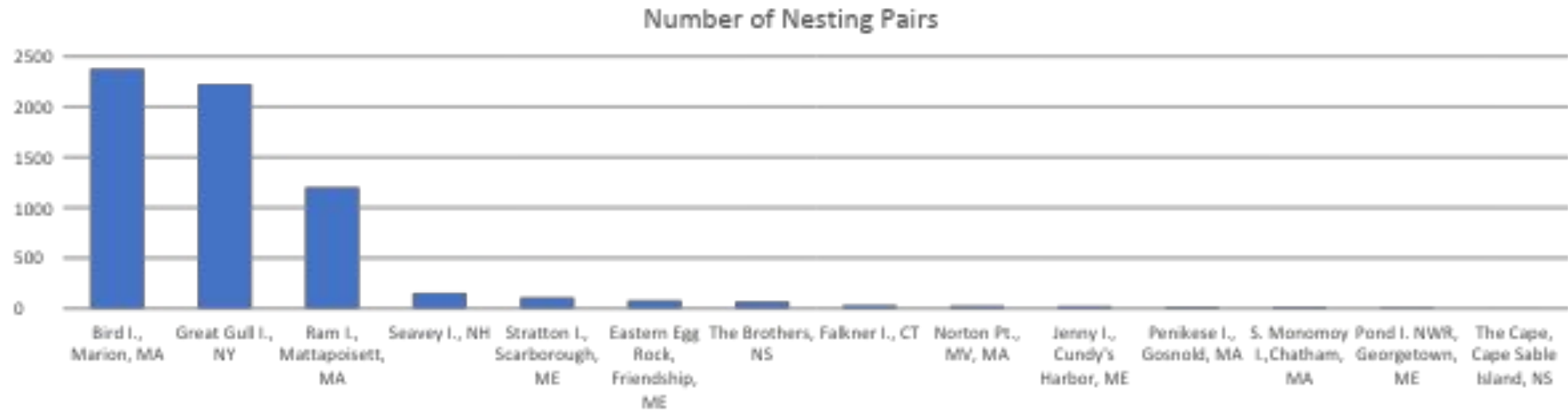


2023

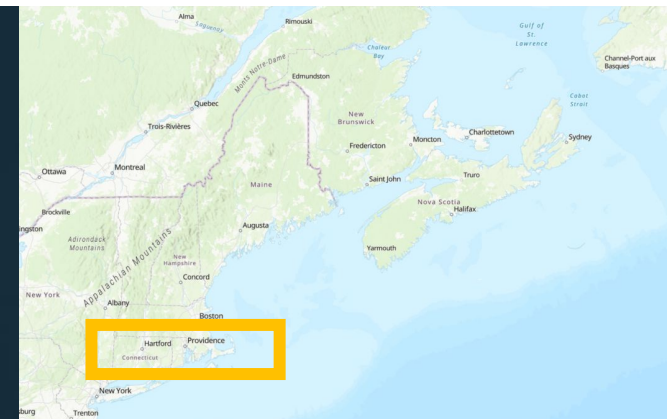
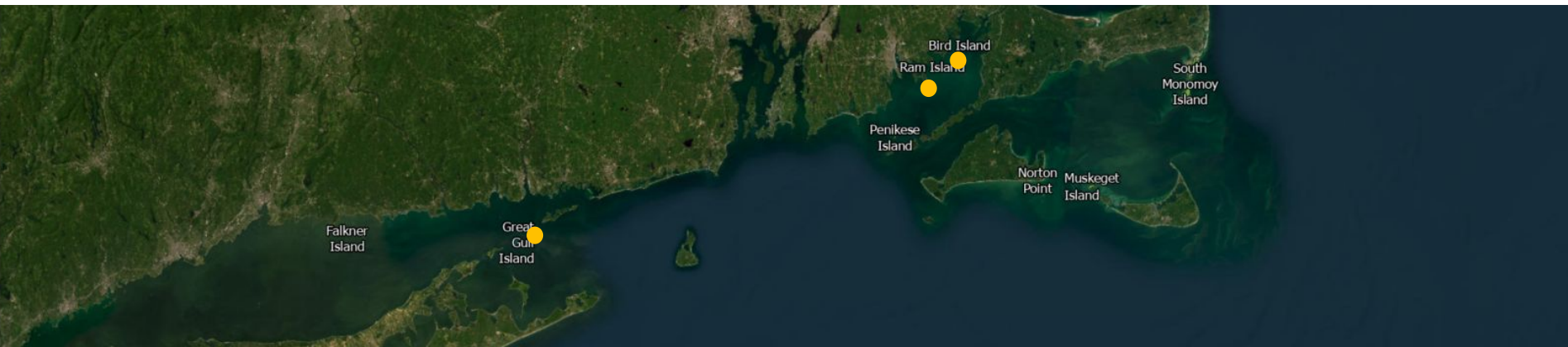
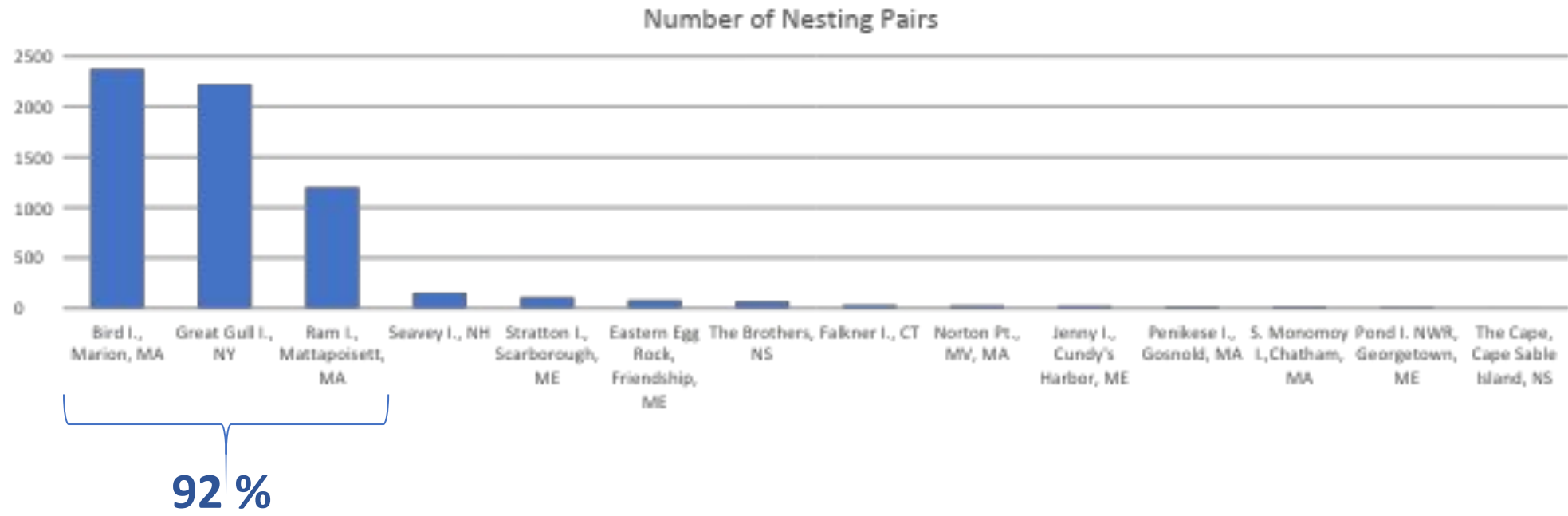


2024

Key Colonies



Key Colonies



Sea Level Rise Viewer



2100, MHHW
Intermediate scenario



Sea Level Rise Viewer



2100, MHHW
intermediate scenario

4.20 ft

Falkner Island 4.00 ft

Bird Island

Penikese Island

Norton Point 4.04 ft

South Monomoy Island

3.77 ft

Seavey Island 3.44 ft

Jenny Island

Stratton Island 3.51 ft

Eastern Egg Rock

3.54 ft

3.64 ft

The Brothers

The Cape Cape Sable Island

Havre-aux-Maisons

Country Island

Sea Level Rise Viewer

VIEW BY SCENARIO VIEW BY YEAR ?

Scenario Year
2022 Projections

High

Intermediate High

Intermediate

Intermediate Low

Portland, ME
FOR HIGH SCENARIO

Water Level	Year
10ft	
9ft	
8ft	
7ft	
6ft	2100 : 5.94ft
5ft	
4ft	2080 : 3.84ft
3ft	2060 : 2.07ft
2ft	2040 : 0.95ft
1ft	2020 : 0.36ft
Current MHHW	0.36ft

Sea Level Rise Viewer



2100, MHHW
intermediate scenario



Can Nesting in Boxes Mitigate Nest Site Loss Due to Sea Level Rise for Endangered Northern Atlantic Roseate Terns?

Jessica Espinosa, Peter Paton, Joan Walsh, Margaret Rubega





Big thanks to all the colony managers
who submitted data for 2024!

Falkner Island
Norton Point
Penikese Island
Bird Island
South Monomoy Island

Seavey Island

Stratton Island

Jenny Island

Eastern Egg Rock

The Brothers

The Cape
Cape Sable Island

Havre-aux-Maisons

Country Island

Sable Island

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