New Hampshire Residents Coastal Survey



QUESTION 1: Please write your Survey Access Code, included in your invitation letter (ex: NHS01) to proceed with the survey.

Thank you for agreeing to fill out the survey. You are receiving this survey because of your residency within New Hampshire's Coastal Zone. The coastal zone is marked by the green shaded area in the map below, the map is from the New Hampshire Department of Environmental Services website, at:

http://des.nh.gov/organization/divisions/water/wmb/coastal/categories/overview.htm



<u>Section 1</u>. Thank you for agreeing to fill out this survey. In this section, we want to know a little about your opinions and experiences as a New Hampshire Resident.

QUESTION 2: How important are the following to you as a resident of a coastal area? (*Select one number for each item*)

	Not Important (1)	(2)	(3)	Somewhat Important (4)	(5)	(6)	Extremely Important (7)
Beautiful scenery	0	0	0	0	0	0	0
Pleasant weather	0	0	0	0	0	0	0
Clean ocean, estuary, and river waters	0	O	O	0	O	0	0
Public access to coastal resources	0	0	0	0	0	0	0
Working waterfronts	0	0	0	0	0	0	O
Sandy beaches	0	0	0	0	0	0	0
Land-based recreation opportunities (for example, walking & hiking)	0	O	O	0	0	0	0
Water-based recreation opportunities (for example, swimming, boating, & surfing)	0	O	O	•	O	0	Q
Dining amenities	0	0	0	0	0	0	O
Amusements and theme parks	0	0	0	0	0	0	0
Casinos	0	0	0	0	0	0	O
Cultural/arts amenities (museums, galleries, theater)	O	O	0	0	O	0	O
Other (write in):	0	O	O	0	O	O	0

QUESTION 3: In your opinion, what level of priority should coastal managers in New Hampshire assign to the following issues? Please tell us if coastal managers should address each issue as a priority, or as something that should not be done. (*Select one number for each item*)

	Should not be done (1)	(2)	Not important Priority (3)	(4)	Important Priority (5)	(6)	Top Priority (7)
Protection, restoration, or enhancement of working waterfronts	•	0	0	0	0	0	0
Protection, restoration, or enhancement of shellfish growing areas	0	O	0	0	0	0	O

Reducing the impacts of coastal growth and development	0	O	0	O	0	0	O
Protection or enhancement of coastal water quality	0	0	0	0	•	0	0
Supporting commercial fishing industries	0	0	O	0	0	0	O
Expanding tourist attractions in coastal areas	•	0	•	0	•	0	O
Reducing the spread of invasive plants and animals (for example, green crabs)	•	O	0	O	0	0	o
Reducing erosion at sandy beaches	0	0	0	0	0	0	0
Facilitating the siting of wind energy facilities in coastal areas	•	O	0	0	0	0	•
Protection, restoration, or enhancement of coastal wetlands	0	0	0	0	0	0	•
Preventing threats to life and destruction of property from coastal hazards such as flooding, sea level rise, and storm surge	0	O	0	O	0	0	0
Attaining increased opportunities for public access to coastal areas	0	0	0	0	0	0	0
Reducing pollution entering coastal and ocean environments	•	O	0	O	0	0	•
Facilitating the siting of tidal energy facilities in coastal areas	•	0	0	O	0	0	•
Facilitating the siting of oil and gas energy facilities in coastal areas	•	0	0	0	0	O	•
Facilitating the siting of aquaculture facilities in the coastal areas	0	O	0	O	0	O	•
Other (write in):	•	0	•	0	•	0	•

<u>Section 2</u>. In this section we would like to know your opinions about New Hampshire's coastal water quality.

QUESTION 4: Please think about water quality in terms of the risks to people's health, including the safety of swimming in the water and the health of the marine environment, including the health of plants and animals. In your opinion, how would you rate the ocean water quality in these New England states and Canadian Provinces? (*Select one rating for each State/Province*)

	Poor (1)	Fair (2)	Good (3)	Very Good (4)	Excellent (5)
Maine	•	•	•	O	O
New Hampshire	0	0	0	0	O
Massachusetts	0	0	0	0	0
Rhode Island	0	0	0	0	0
Connecticut	•	•	0	0	0
New Brunswick	•	•	0	0	O
Nova Scotia	0	•	0	0	0

QUESTION 5: Do you think there is any change you could make in your everyday behavior, for example actions you take in your house or yard, that would help to improve the quality of New Hampshire's coastal water? (*Select one*)

• Yes

Ql	JESTION 6: Do you think there is anything that you do now as part of your everyday behavior
tha	at worsens New Hampshire's coastal water quality? (Select one)
O	Yes
O	No

QUESTION 7: In your opinion, if most of your neighbors changed their everyday behavior, how much would it improve the quality of New Hampshire's coastal water? (*Select one*)

\mathbf{O}	A great deal
\mathbf{O}	Some
O	Not much
\mathbf{O}	A little
O	None

O No

QUESTION 8: In your opinion, how important are each of the following benefits of coastal water that is **clean and free of pollution or contaminants** to you and your family. (*Select one number for each item*)

	Not Important (1)	(2)	(3)	Somewhat Important (4)	(5)	(6)	Extremely Important (7)
People getting sick from contaminated water (e.g.: stomach ailments, infections)	•	0	0	•	O	0	O
Cloudy or murky water	0	0	0	0	0	O	0
People being advised not to go to the beach	0	•	0	0	O	0	O
People being unable to harvest shellfish	0	0	0	0	O	0	O
Reduced quality of coastal experience	0	•	0	0	O	0	O
Harming animals, fish, and birds	0	0	0	0	0	O	0
Decreased coastal property values	0	0	0	0	0	O	O
Reduced opportunity for coastal activities	0	0	0	0	0	0	0
Decreased coastal tourism	0	0	0	0	0	O	O
Other (write in)	0	O	O	0	O	0	O

QUESTION 9: In your opinion, how important are each of the following problems associated with **poor coastal water quality**. (*Select one number for each item*)

	Not Important (1)	(2)	(3)	Somewhat Important (4)	(5)	(6)	Extremely Important (7)
Allows for harvesting of shellfish	0	0	0	O	0	0	0
Allows for commercial aquaculture production of shellfish	0	O	0	O	O	O	O
Provides a healthy marine environment for animals, fish, birds and other marine species	0	O	0	0	O	0	O
Improved coastal experience (views, boating, etc.)	0	O	0	O	O	O	O

I can do my favorite coastal activities	•	O	O	•	O	0	0
Others can do their favorite coastal activities	0	O	0	O	0	0	O
People do not get sick from contaminated water (e.g. stomach ailments, infections)	0	O	0	•	0	0	O
Increased property values in coastal communities	0	O	0	O	O	0	O
Increased coastal tourism	0	0	0	0	0	0	O
Other (write in):	0	O	O	•	O	0	0

QUESTION 10: In your opinion, how much of a **negative impact** do the following have on coastal water quality in New Hampshire? (*Select one number for each item*)

	Not Important			Somewhat Important			Extremely Important
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Polluted river/stream runoff	O .	O	0	•	O	0	O
Fertilizers, pesticides, & chemicals	•	0	O	0	0	0	0
Failing septic systems	0	O	0	0	0	0	O
Nearby boats &/or marinas	0	O	0	0	O	0	0
Climate change (including sea level rise, ocean acidification & ocean warming)	0	•	O	0	0	o	O
Coastal industrial &/or residential development	0	0	O	0	•	O	O
Animal waste (including from dogs and birds)	•	0	O	0	0	O	0
Aging or failing wastewater treatment facilities	0	0	O	O	0	O	O
Coastal algae blooms	0	O	0	0	O	0	O
Industrial pollution	0	O	0	0	O	0	0
Inland industrial &/or residential development	0	0	O	0	0	O	0
Other (write in):	•	0	O	0	0	O	O

Section 3. In this section we would like to know about your experience with seafood.

OOOO	ESTION 11: How often do members of your household consume seafood? (Select one) Daily Once per week Once per month Less than once per month Never → Skip to QUESTION 21
app	ESTION 12: What types of seafood does your household consume? (<i>Please select all that aly</i>) Lobster Shrimp Clams Crabs Scallops Oysters Mussels
	Fish Other (write in):
<i>app</i> □ □ □	ESTION 13: Where do you typically obtain the seafood you eat? (<i>Please select all that aly.</i>) Restaurant Direct from harvesters Grocery store From wholesaler Other (write in):
sele	ESTION 14: Where does the seafood you and your family eat typically come from? (<i>Please ect all that apply</i>). New Hampshire Other New England states Canada My local community I don't know Other (write in):

rea	ESTION 15: Did you or a family member ever feel sick after eating shellfish (not an allergic ction)? (Select one) Yes
	No → Skip to QUESTION 19
app	ESTION 16: Which symptoms did you or your family member experience? (Select all that oly) Diarrhea Nausea Vomiting Stomachache Flu-like Other (write in):
	Yes No → Skip to QUESTION 19
	ESTION 18: Whom did you report this illness to? (write in):
\mathbf{C}	ESTION 19: Do you ever seek information about the safety of eating seafood? (Select one) Yes No → Skip to QUESTION 21
sea	ESTION 20: Where do you seek information about the safety of eating New Hampshire afood? (Please select all that apply) New Hampshire Office of Travel and Tourism New Hampshire Department of Environmental Services (DES) New Hampshire Department of Health and Human Services (DHHS) New Hampshire Natural Resources Conservation Service (NRCS) New Hampshire Fish and Game New Hampshire Sea Grant Extension Local shellfish manager Local harvesters Local wholesaler or retailer Online resources (for example, nhstateparks.org) Family/Friends News media
	University of New Hampshire and/or University of New Hampshire Cooperative Extension Other (write in):

These clos	121: Have you ever heard of, or seen, a New Hampshire shellfish area closure? ures mandate that shellfish cannot be harvested from a specific area due to unsafe such as pollution in the water.
	1 22: If a shellfish area is posted as closed, and a person <i>like you</i> eats shellfish from
this area, ir	n your opinion, how likely is it that this person will get sick?
O Very Li	kely
O Somew	hat Likely
O Somew	hat Unlikely
O Very U	nlikely

QUESTION 23: Please express your opinion by selecting the answer that matches how you feel about each statement. (*Please select one answer for each item*)

	Strongly Disagree (1)	(2)	(3)	Unsure (4)	(5)	(6)	Strongly Agree (7)
New Hampshire shellfish are cleaner than other U.S and Canadian shellfish	0	0	O	•	O	0	0
Shellfish harvested in my local community are cleaner than other New Hampshire shellfish	0	0	O	•	0	O	O
Aquacultured shellfish are cleaner than wild New Hampshire shellfish	•	•	O	•	O	0	0
Shellfish that are wild harvested are cleaner than aquaculture produced shellfish	0	0	O	•	0	O	O
Local seafood from New England is safer to eat than seafood from other places	0	0	O	•	0	0	O
When I shop for seafood, price matters more than whether it is local	O	0	O	0	O	O	O
I buy less local seafood when I hear about problems with bacterial contamination or red tides in New England	0	O	0	•	0	0	•
I worry about seafood being contaminated by bacteria that makes it unsafe to eat	0	0	O	•	0	0	O

QL	JESTION 2	4: Have you heard of the use of depuration tanks for shellfish? (Select one)
O	Yes → S	kip Information on Depuration below, proceed to Question 25
O	No	

Information on Depuration:

Shellfish feed by filtering particles from the water in which they live. If they are located in an area with poor water quality, they may be harvested and transported to a licensed depuration facility where they are held in clean seawater. The shellfish stay in tanks until bacteria from the original poor water quality environment have been filtered out, at which time they can be sold.

QUESTION 25: In your opinion, how do you rate the safety of shellfish treated in depuration tanks compared to other shellfish? (*Select one*)

- O Shellfish treated in depuration tanks are safer than other shellfish
- O Shellfish treated in depuration tanks are just as safe as other shellfish
- O Shellfish treated in depuration tanks are less safe than other shellfish

<u>Section 4.</u> By responding to the questions in this section, you will share your opinions of future programs designed to protect Coastal Water Quality in New Hampshire.

QUESTION 26: In your opinion, how important are the following actions to protecting New Hampshire's coastal water quality? (*Select one number for each item*)

	Not Important (1)	(2)	(3)	Somewhat Important (4)	(5)	(6)	Extremely Important (7)
Updating and maintaining septic systems	0	0	0	0	O	0	O
Better management of marinas	0	0	0	0	0	O	O
Better management of residential development in coastal areas	0	O	O	0	O	0	0
Better management of industrial development in coastal areas	0	O	0	0	O	0	O
Better management of industrial development in upstream areas	0	O	O	0	O	0	0
Better management of residential development in upstream areas	0	O	O	0	O	0	O
Reducing pollution from animal waste (including waste from dogs and birds)	•	O	O	0	O	0	0
Improving wastewater treatment	0	0	0	0	0	O	O
Treating stormwater runoff	0	0	0	0	0	0	O
Reducing the use of fertilizers, pesticides & chemicals in homes and gardens	0	O	0	•	0	0	O
Protecting and restoring coastal wetlands	0	O	O	0	O	0	O
Improving water quality monitoring to detect pollution levels and sources	0	O	0	0	O	0	O
Making water quality data available to the public	0	O	O	0	O	0	0
Educating and/or providing financial resources to municipal officials	0	O	O	0	O	0	O

QUESTION 27:

Coastal Water Quality Improvement Program

A new program has been proposed to maintain and improve coastal water quality. Please think about coastal water quality in terms of risks to people's health, including the safety of swimming in the water and of shellfish harvesting from flats and waters, and the health of the marine environment, including the health of plants and animals. What is your level of agreement with the following statement: (*Select one number*)

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
I would be willing to pay higher water/sewer/septic fees to improve coastal water quality.	0	•	•	•	0

QUESTION 28:

If the <u>Coastal Water Quality Improvement Program</u> would cost your household additional **\$7** per month, would you be willing to pay that amount and support the program? (*Select one*)

- Yes, I would be willing to pay the increase in fees to support the Coastal Water Quality Improvement Program → answer QUESTIONs 29-35, but SKIP QUESTION 30
- O No, I would not be willing to pay the increase in fees to support the Coastal Water Quality Improvement Program → answer QUESTION 29, 30 but then SKIP to SECTION 5

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Why did you choose the response you did in the question above (i.e. Yes or No)? (Please write your reasons below)

QUESTION 30: (Please answer if you responded NO on QUESTION 28 Then SKIP to Section 5)
Please indicate the single most important reason for your response (select one).
O I can't afford to pay anything at this time.
O I don't contribute to this problem and I should haven't to pay to fix it.
O I don't think the program's investments will work to improve coastal water quality
O I do not have faith in the government to effectively manage this program.
O I am opposed to any new fees.
O Coastal water quality is not an important problem for me.
O I do not think that there are problems with our coastal water quality.
Other (write in)
QUESTION 31: (Please answer if you responded 'YES' on QUESTION 28) How much of the Coastal Water Quality Improvement Program budget would you like to see put towards each of the following actions (should sum to 100%). % Updating and maintaining septic systems % Improving wastewater treatment, sewer, and stormwater runoff infrastructure % Improving water quality monitoring to detect pollution levels and sources % Making water quality data available to the public
% Educating and/or providing financial resource to municipal officials
% Better management of industrial development
% Better management of residential development
% Reducing pollution from animal waste (including waste from dogs and birds)
% Improving home and garden practices

QUESTION 32: (Please answer if you responded 'YES' on QUESTION 28) How important are the following Coastal Water Quality Improvement Program outcomes to you? (Select one number for each item)

	Not Important (1)	(2)	(3)	Somewhat Important (4)	(5)	(6)	Extremely Important (7)
Improved beach safety (fewer advisories posted at ocean beaches)	0	O	O	0	O	0	0
Increases in flats and waters open for shellfish harvesting (fewer closures)	0	O	O	0	O	0	O
Healthy environment for marine animals, fish, birds and other species	0	O	O	0	O	0	O
Increased opportunities for aquaculture	0	O	0	0	0	0	O
Improved coastal experience (views, boating, etc.)	0	O	O	0	O	0	O

QUESTION 33: (Please answer if you responded 'YES' on QUESTION 28)	
What other program outcomes matter to you?	

QUESTION 34: (Please answer if you responded 'YES' on QUESTION 28) Who do you trust to run the Coastal Water Quality Improvement Program?

	Least Trusted (1)	(2)	(3)	Somewhat Trusted (4)	(5)	(6)	Most Trusted (7)
New Hampshire Natural Resources Conservation Services (NRCS)	0	O	O	O	O	0	0
New Hampshire Department of Environmental Services (DES)	0	O	O	O	O	0	0
University of New Hampshire	0	0	0	O	0	0	O
U.S. Environmental Protection Agency (EPA)	0	0	0	O	0	0	0
National Oceanographic and Atmospheric Administration (NOAA)	0	O	O	O	O	0	O
New Hampshire Center for Disease Control and Prevention (CDC)	0	O	0	O	O	0	0
New Hampshire SeaGrant	0	0	0	O	0	O	O
Other (write in)	0	O	O	O	O	0	•

QUESTION 35: (Please answer if you responded 'YES' on QUESTION 28)

Where would you like the efforts of the program to focus? (Select one)

- My community
- My region within the state
- O Problem areas
- O Statewide
- O Multi-state (i.e. Maine and New Hampshire)

<u>Section 5</u>. In this section, we want to know a little more about your actions and opinions on environmental, public health, and other issues.

QUESTION 36: How often do you engage in the following activities? (*Select one number for each item*)

	Never			Sometimes			Very Often
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Eat expired food that still looks okay	•	0	0	0	0	0	O
Expose yourself to the sun without sunscreen	•	O	O	0	O	O	O
Wash hands before eating	•	0	0	0	O	0	O
Eat raw shellfish	0	0	0	0	O	0	0
Eat raw meat	•	0	0	0	0	0	0
Swim in coastal waters after a heavy rainfall	•	O	O	0	O	O	O
Pump out and maintain your septic system	0	O	O	O	O	O	O
Pick up and dispose of pet waste properly	0	0	O	O	O	O	O
Discharge boat waste in coastal waters	•	0	O	0	O	O	O
Feed wildlife, including sea birds	0	0	0	0	0	0	O

QUESTION 37a: To what extent do you agree or disagree with the following statements?

	Strongly Disagree (1)	(2)	(3)	Unsure (4)	(5)	(6)	Strongly Agree (7)
Global climate change is caused mostly by human activities	0	O	•	•	O	0	0
I generally try to avoid taking risks	0	0	O	0	0	O	0
I don't have enough money to take vacations	0	0	O	0	0	O	0
New Hampshire residents are responsible for helping solve coastal problems	O	O	0	•	0	0	0
Local government is responsible for protecting coastal water quality	0	O	0	0	O	0	O

I am healthier than the average person	O .	O	0	0	O	0	•
My state is an important part of who I am	•	O	0	O	0	0	•
Local government is effective in protecting coastal water quality	0	0	0	0	0	0	0
I think scientists are doing important work	•	0	O	O	0	O	•
Scientists provide unbiased information	0	0	O	•	0	O	•
I trust public health scientists who study the safety of the food we eat	0	0	0	•	0	0	O

QUESTION 37b: To what extent do you agree or disagree with the following statements?

	Strongly Disagree			Unsure			Strongly Agree
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Global climate change is happening	0	O	0	O	0	0	O
I don't have enough money to buy the things I (or my family) needs	0	0	0	•	0	0	0
I don't have the money to make needed improvements to my living situation (move, renovate).	•	0	O	0	0	0	0
Visitors to New Hampshire should be responsible for helping solve coastal problems	0	O	0	0	O	0	0
It is too difficult for someone like me to do much about coastal issues	0	O	0	•	O	0	O
I consider myself a New Hampshirite	0	0	0	0	0	O	O
My community is an important part of who I am	0	O	0	0	0	0	0
State government is effective in protecting coastal water quality	O	0	0	0	O	0	O
Science can raise our standard of living	0	0	O	0	0	O	O
Scientists provide reliable information	0	O	0	0	O	0	0
I trust environmental scientists who study how pollution affects the ocean	0	0	O	•	O	0	0

QUESTION 37c: To what extent do you agree or disagree with the following statements?

	Strongly Disagree (1)	(2)	(3)	Unsure (4)	(5)	(6)	Strongly Agree (7)
I am generally a person prepared to take risks	0	O	0	•	O	0	O
I don't have enough money to pay my rent or mortgage	0	O	0	•	O	0	•
It is my responsibility to help solve coastal problems	•	O	0	•	O	0	0
Government uses best available science in making coastal decisions	0	O	0	•	O	0	O
My health is my top priority	0	0	O	0	0	O	O
Others would consider me a Mainer	0	0	O	0	0	0	0
State government is responsible for protecting coastal water quality	•	O	0	•	O	0	0
Science has greatly improved my life	0	0	O	0	0	0	0
I trust scientists	0	0	O	0	0	O	O
Scientists share my values	0	0	C	0	O	O	0

Section 6. In this last section, we ask you some questions about your background that help us compare your answers to those of other people. We stress that all of your answers are strictly confidential. We thank you again for completing this survey.

O	JESTION 38: What is your gender? Male
0	Female
QL	JESTION 39: How old are you? (Please enter your age in number of years)years
	JESTION 40: How many years have you lived in New Hampshire? (Please enter number of ars) years
	JESTION 41: How many years have you lived at your current address? (Please enter mber of years) years
	JESTION 42: How would you describe your house in New Hampshire? (Select one)
O	Primary residence
O	A secondary residence or vacation home
Ql	JESTION 43: What type of water and waste system does your household use? (Select one)
O	Town/city water and sewer
O	Private well and septic system
0	Other: (please describe)
Ql	JESTION 44: What is the highest level of education you have completed?
O	0-11 years
O	12 years (High school graduate or GED)
O	1-3 years College (Some college or Associate's degree)
O	College Graduate (Bachelor degree or equivalent)
O	Postgraduate (Master's, Doctorate, Law or other degree)
Ql	JESTION 45: Which of the following best describes your current employment status?
O	Student
O	Employed full-time
O	Employed part-time
O	Retired (not working)
O	Employed at home
O	Homemaker
O	Unemployed

QUI	ESTION 46: How many people, including yo	urse	elf, live in your household in each of the
follo	wing age groups? (Please list the number of	f pe	ople that fit into each age category next to
	h option. Leave the space blank or enter 0 if	no (one in the household is in the age group).
	0-6 years old		
	7-12 years old		
	13-18 years old		
	19-44 years old		
	45-64 years old		
	65-84 years old		
	85 or older		
	ESTION 47: In the past year, did you engag vities? (Please select all that apply)	e in	any of the following outdoor recreation
	Hiking		Freshwater sail/canoe/kayak
	Nature photography		Freshwater boating
	Wildlife watching		Freshwater fishing
	Camping		Freshwater swimming
	ATV/dirt biking		Coastal sail/canoe/kayak
	Snowmobiling		Coastal boating
	Hunting		Coastal fishing
	Biking/mountain biking		Coastal swimming
	Surfing		Other (write in)
QUI O O		-bas	sed community organization?
QUI O		serv	ation or environmental organization?

 QUESTION 50: Do you, or an immediate family member, hold any of the following licenses? (Please select all that apply) □ Commercial Shellfish Harvesting License □ Recreational Shellfish Harvesting License □ Other Commercial Harvesting License: (please specify) □ Other Recreational Harvesting License: (please specify) □ None of the above
QUESTION 51: Which of the following categories represents your total household income (before taxes)?
 Less than \$10,000 \$10,000-\$14,999 \$15,000-\$24,999 \$25,000-\$34,999 \$35,000-\$49,999 \$50,000-\$74,999 \$75,000-\$99,999 \$100,000-\$149,999 \$150,000-\$199,999 \$200,000 or above
Thank you for taking the time to tell us about your experiences, opinions and preferences. In the space below, please free to share any additional comments you may have.
Participant Raffle Information: If you would like to be entered into a raffle to win \$75 as a 'thank you' for completing this survey, please provide your name and an email address where we can reach you below: (this information will only be used to notify raffle winners and will <u>not</u> be associated with your survey responses).
Name:
Email: