Coastal Flooding and Salt Marshes in Connecticut: A Survey of Landowners



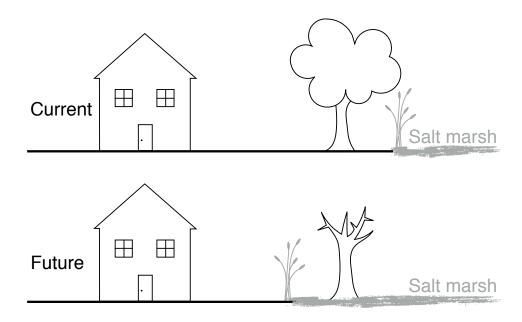
A study conducted by:



This survey is for <u>all</u> coastal landowners in Connecticut. All opinions matter and are valuable, even if this is a new topic for you.

The purpose of this survey is to learn about your opinions on increased coastal flooding and salt marshes in your community. You were chosen as part of a random sample of people who own land in areas that will likely convert naturally to salt marsh in the future. Our report on this research will be shared with state and local officials so that the opinions of people like you are considered when developing coastal management policies and programs that could benefit landowners in your area. Even if you aren't very interested in these topics or live far from existing salt marshes, we still would like you to answer the questions and return the questionnaire. Please be assured that your identity will be kept strictly confidential and your responses will never be associated with your name or address.

In this questionnaire, a <u>salt marsh</u> is a coastal wetland that is flooded by salt water brought in by the tides at least twice each month. As increased coastal flooding continues, salt marsh will likely move inland into areas that are <u>not currently marsh</u>, as shown below. We are interested in your thoughts on this process and how it might affect you.



Please complete this questionnaire as soon as you can, place it in the envelope provided, and drop it in any mailbox; return postage has been paid. Your participation in this survey is voluntary and you may stop at any time, but we encourage you to respond to all questions.

THANK YOU FOR YOUR HELP!

This survey is an effort of the University of Connecticut and will contribute to a graduate student's dissertation research, as well as inform coastal management policies and programs that could benefit landowners in your area.

What are the characteristics of your coast Coastal property includes land within one m			necticut?		
1. Is your coastal property your primary res ☐ Yes ☐ No	idence? (C	heck one)			
2. Approximately how many acres is your connumber of acres	oastal prop	erty? <i>(Fill</i>	in the blar	ık)	
3. How many times has the first floor of the years? (Fill in the blank)	house on y	our coasta	l property	flooded i	n the last 10
number of times the first floor of my h	ouse has fl	ooded			
4. Did the first floor of your house flood as a <i>one</i>)	result of H	Iurricane S	andy (Oct	ober 2012	2)? (Check
□ Yes □ No					
5. What percent of your property is currently water brought in by the tides)? (Fill in the bides) percent of my property is salt marsh. The next several questions concern your whether it will impact your coastal property. Shoreline protection is any const on your property. Common examples included. Research by The Nature Conservancy (htt property is likely to convert naturally to salt flooding. What are your thoughts about the your potential response? (Check one box for Within the next twenty years, how likely	thoughts erty, and verty, and verty the bulkhead erty; and the bulkhead erty; //coastat marsh in the likelihood each row)	whole num about incomparts what action signed to poor ls, revetment lresilience the future	reased coans you will revent wa ents, and coans a result	astal floo Il take on ter levels oncrete so ests that p	ding, a your from rising ea walls. part of your sed coastal roperty and
is it that	Strongly Unlikely	Unlikely	Neither	Likely	Strongly Likely
water levels will rise naturally on any part of your coastal property?					
rising water levels would create salt marsh in new locations on your coastal property?					
you will use shoreline protection (such as bulkheads, revetments, and/or concrete sea walls) to prevent water levels from rising?					
you will allow water levels to rise naturally?					

7. <u>Assuming that water levels may rise on your coastal property in the next 20 years</u> , what are your thoughts about allowing water levels to rise naturally (not using shoreline protection) on your coastal property? (Check one box for each row)									
	Strongly Disagree	Disagree	Neither	Agree	Strongly Agree				
Allowing water levels to rise on my property would be bad.									
Most people who are important to me think I should allow water levels to rise.									
Most people who are like me will allow water levels to rise on their coastal property.									
Allowing water levels to rise naturally on any part of my coastal property is up to me (as opposed to other people).									
8. <u>If water levels are allowed to rise naturally</u> likely are each of the following outcomes for	•		•	•					
Allowing water levels to rise naturally on my coastal property will result in	Strongly Unlikely	Unlikely	Neither	Likely	Strongly Likely				
losing my land to the sea.									
more habitat for saltmarsh wildlife.									
more salt marsh for storm protection.									
others thinking I am neglecting to care for my property.									
more mosquitos.									
more expensive insurance.									
reduced property value.									
increased risk of my house flooding.									
9. How good or bad would each of the following box for each row)	ing outcom	es be for y	our coasta	l property	r? (Check one				
Outcomes	Very Bad	Bad	Neither	Good	Very Good				
Losing my land to the sea									
More habitat for saltmarsh wildlife									
More salt marsh for storm protection									
Others thinking I am neglecting to care for									
my property									
More mosquitos									
More expensive insurance									
Reduced property value									
Increased risk of my house flooding									

		ears, do you th ter levels to ris		_				
				Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
		tary incentive se on my coasta						
	o allow wat	ry incentive wo er levels to rise 7.						
11. How imp		he thoughts of	others	when it co	omes to yo	our coasta	l property	? (Check one
				Strongly Disagree	Disagree	Neither	Agree	Strongly Agree
		roperty, I want ant to me think						
When it cor be like peop		coperty, I want nt to me.	to					
12. Is there	currently sl	oreline protec	tion on	ı your coas	stal proper	ty? (Checi	k one)	
☐ Yes, I buil	t it. □ Ye	s, it was on my	prope	rty when I	bought it.	□ No	□ I don'	t know
13. In the p a	ı st , have yoı	ı allowed wate	r levels	s to rise on	any part o	of your co	astal prop	erty? (Check
□ Yes □	No 🗆 No	t applicable (w	ater lev	vels have r	not risen o	n any part	t of my pro	perty)
14. Do you t	hink that se	a level rise is h	appeni	ng? (<i>Checl</i>	k one)			
□ Yes □ N	0							
How sure ar	e you? (Che	ck one)						
Very Unsure	Unsure	Neither	Sure	Vei Sui	•			
					<u> </u>			

prevents shownership use is perm the open measement w	oreline prot of their prop anently rest arket than co	ection from erty, with the ricted, a proper uparable uxt ten years	taking place te remainden perty subjec nrestricted p if a conserva	on the land of their pri t to a conse parcels. How tion organi	conservation organization that in perpetuity. The landowner retai vate property rights intact. Because vation easement may be worth lessy likely are you to sign a conservatication offered to pay you a one-time
Strongly Unlikely	Unlikely	Neither	Likely	Strongly Likely	-
					-
					r house) to a conservation if the conservation organization m
	2 (Charle one	2)			
you an offer	r: (Check one	<i>i</i>)			_
Strongly		Neither	Likely	Strongly Likely	-
Strongly Unlikely C. A restrice	Unlikely	Neither □ nt is a mutu	_	Likely	- - ghbors that requires everyone in th
Strongly Unlikely C. A restrict neighborhor property. Supprotection of property. H	Unlikely ctive covena od to allow v uch an agree on nearby pr	Neither Int is a mutual water levels ment could properties, such a you to sign	al agreemen to rise natur prevent the ch as increas such an agr	t among nei	- ghbors that requires everyone in the g salt marsh in <u>new locations</u> on yo consequences of additional shorelin or unplanned flooding on your in the next ten years, if your
Strongly Unlikely C. A restrict neighborhor property. Supprotection of property. H	Unlikely ctive covena od to allow v uch an agree on nearby pr ow likely are	Neither Int is a mutual water levels ment could properties, such a you to sign	al agreemen to rise natur prevent the ch as increas such an agr	t among nei	g salt marsh in <u>new locations</u> on yo consequences of additional shorelin or unplanned flooding on your
Strongly Unlikely C. A restrict neighborhor property. Suppose to property. Heighbors a Strongly	Unlikely ctive covena ood to allow v uch an agree on nearby pr ow likely are	Neither Int is a mutual water levels ment could properties, such a you to sign ated? (Check	al agreemen to rise natur prevent the ch as increas such an agr one)	t among nei rally, creating unintended sed erosion eement with	g salt marsh in <u>new locations</u> on yo consequences of additional shorelin or unplanned flooding on your
Strongly Unlikely C. A restrict neighborhor property. So protection of property. Heighbors a Strongly Unlikely D. You may property (in the total processor property) and the total processor property (in the total processor property).	Unlikely ctive covena bod to allow verth an agree on nearby precion likely are also participated Unlikely have the open operty value on organizati	Neither Int is a mutual water levels ment could properties, such a you to sign ated? (Check Neither Intion of signification of signification of signification of signification would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second	al agreemen to rise natur prevent the r ch as increas such an agr one) Likely I ag an agreen a conservation required to	t among neitally, creating unintended sed erosion eement with Likely Strongly Likely nent that woon organizate current value pay you the greement w	g salt marsh in <u>new locations</u> on yo consequences of additional shorelin or unplanned flooding on your
Strongly Unlikely C. A restrict neighborhor property. So protection of property. Heighbors a Strongly Unlikely D. You may property (in the total processor property) and the total processor property (in the total processor property).	Unlikely ctive covena bod to allow verth an agree on nearby precion likely are also participated Unlikely have the open operty value on organizati	Neither Int is a mutual water levels ment could properties, such a you to sign ated? (Check Neither Intion of signification of signification of signification of signification would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second consideration would be a second consideration with the second	al agreemen to rise natur prevent the r ch as increas such an agr one) Likely I ag an agreen a conservation required to	t among neigrally, creating unintended sed erosion eement with the sed erosion erganization organization organiz	g salt marsh in new locations on you consequences of additional shoreling unplanned flooding on your in the next ten years, if your uld transfer ownership of your ion in the event of a flood that reduce. Under this agreement, the pre-flood property value at the time

17. Do you agree or disagree with the following statement? (Check one)

If I sold my property to a conservation organization for fair market value, I would be worried about receiving a fair price. (*Check one*)

Strongly				Strongly
Disagree	Disagree	Neutral	Agree	Agree





Salt marshes store more carbon per acre than tropical forests.

Long Island Sound's marshes can survive sea level rise if they can migrate into new areas.



NEW ENGLAND'S DUCK

The American Black Duck is the iconic and native duck species of the Northeast.



18. How inter	resting did you	find the ir	nforma	tion <u>o</u>	n the	previous	<u>page</u> ? (<i>Ch</i>	eck one)	
Very Uninteresting	Uninteresting	Neither	Intere	esting		ery resting			
]					
about increas	ling the informs sed coastal flood on your proper	ding, when	ther it was the contract the co	will in	ipact	your coas		-	_
Within the nois it that	ext twenty yea	ırs, how l	ikely	Stron Unlik		Unlikely	Neither	Likely	Strongly Likely
you will use bulkheads, re	shoreline prot vetments, and/ orevent water l	or concre	te		ету				
	ow water levels	to rise							
				Stror Disag		Disagree	Neither	Agree	Strongly Agree
Allowing war	ter levels to rise uld be bad.	e on my]				
20. How important to you are the following attributes of salt marshes? (<i>Check one box for each row</i>)									
Outcomes		importan		Slightly nporta	-	import	-	Very mportant	Extremely important
A . Flooding p									
B . Erosion pr									
C. Wildlife vie									
D . Hunting of	•								
E. Carbon sto									
F . Providing a wildlife Which of the	attributes show	un in Δ-F c	ahove i	s mos	t imr	ortant to	you? (Che	∟ ck one)	
\Box A \Box B			□ F	5 11105	ı 1111 	on tant to y	you: (che	ch onej	

Background Information 21. Are you male or female? (Check one) □ Male ☐ Female 22. In what year were you born? (*Fill in*) 19____ 23. What is the highest level of formal education you have completed? (Check one) ☐ Less than high school ☐ High school diploma/G.E.D. ☐ Some college or technical school ☐ Associate's degree ☐ College undergraduate degree (e.g. B.A., B.S.) ☐ Graduate or professional degree (e.g. M.S., Ph.D., M.D.) 24. Which conservation organizations, if any, are you a member of? (Check all that apply) □ National land conservation organization (e.g. Trust for Public Land, The Nature Conservancy) ☐ National bird or wildlife conservation organization (e.g. Audubon, Ducks Unlimited) ☐ Local land conservation organization or land trust ☐ Local/state bird or wildlife organization society ☐ Hunting or fishing organization □ None 25. Do you consider yourself a Republican, a Democrat, an Independent, or a Libertarian? (Check one) □ Republican □ Democrat ☐ Independent

Thank you for your time and effort!

☐ Libertarian

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