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Respondents are not identified on their questionnaires, and any reports will present data in aggregate form only. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

## Convective Marine Survey Questions

There was a hazardous marine weather event that occurred over the (name marine area) waters on the (morning, afternoon, evening) of (month) (date), (year). The National Weather Service is looking to receive feedback on the weather information you may have received during this event. We would appreciate it if you answered the following questions regarding that specific hazardous marine weather event. Feedback collected from this survey will help the NWS improve products and services with future events in your area.

The following questions have to deal with the information you may have received **before the hazardous marine weather event** and the actions you may have taken.

1. People rely on various sources of information when making a decision to prepare for hazardous weather events. Please indicate how the following sources influenced your decisions on how to prepare **before this hazardous marine weather event occurred**.

Source Type	No Influence At All	Very Little Influence	Some Influence	A Lot of Influence	I Have No Access
Local Television Broadcast (e.g., ABC, NBC, CBS, FOX, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Television Broadcast (e.g., Weather Channel, CNN, FoxNews, MSNBC, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NOAA Weather Radio Broadcast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
US Coast Guard Radio Broadcast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial Radio Broadcast (e.g., AM, FM, HD, Satellite Radio, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NAVTEX (Navigational Telex)P	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Print Media (e.g., local newspapers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Weather Service Website (i.e., Weather.gov)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Websites / Social Media (e.g.,	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Weather.com, Facebook, Twitter, etc.)					
NWS RADIOFAX (WEATHERFAX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Friends/Family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Government Officials (e.g., Mayor, Governor, President, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Emergency Management (e.g., police, fire department, emergency managers, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Faith Leaders (e.g., Pastors, Priest Imam, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. How far in advance were you made aware that hazardous marine weather would be possible for your area?
  - Less than an hour before
  - Between 1 hour and 6 hours before
  - Between 7 hours and 24 hours before
  - Between 1 and 2 days before
  - Between 3 and 4 days before
  - 5 or more days before
  - I was not aware hazardous marine weather would be possible for my area
  
3. Based on the information you were given, what did you feel the threat(s) from the hazardous marine weather would be? (Please select all that apply)
  - Damaging winds
  - Destructive hail
  - Frequent lightning
  - Funnel clouds
  - Heavy seas (i.e., large swells, steep waves, confused seas)
  - Waterspouts
  
4. What, if any, special preparations did you take in the days and hours before the hazardous marine weather event? (Please select all that apply)
  - Altered course
  - Stayed in harbor/port
  - Took safe harbor
  - Loaded additional fuel
  - Increased communication with friends/relatives
  - Allowed more time for travel

- Cancelled or adjusted scheduled plans, appointments, and/or activities
- Found alternative means of transportation
- Purchased/updated/tested an emergency survival gear
- I did not take any special preparations
- Other (please specify)

The following questions pertain to the actions you took **once the special marine warning was issued for your area**. If you feel you were unwarned, please skip to question #8.

5. Did you take any of the following actions when you received the special marine warning?

Action	Yes	No	I Do Not Remember
Did you seek shelter/safe harbor?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you seek additional information via various media outlets (e.g., TV, Radio, Internet)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you attempt to move out of the hazardous marine weather threat area?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you attempt to figure out if your specific location was in the warning?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you secure your property (e.g., removed loose items from deck)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you continue previous activities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Which of the following actions was the **first** action you took when you received the special marine warning?

Action	My First Action
Sought shelter / safe harbor	<input type="radio"/>
Sought additional information via various media outlets (e.g., TV, Radio, Internet)	<input type="radio"/>
Tried to move out of the hazardous marine weather threat area	<input type="radio"/>
Tried to figure out if my location was in the warning	<input type="radio"/>
Secured my property (e.g., removed loose items from deck)	<input type="radio"/>
Continued previous activities	<input type="radio"/>
Other (Please state action)	<input type="radio"/>
I did nothing	<input type="radio"/>

7. If you sought shelter / safe harbor during the special marine warning, please answer Part A. If you did not seek shelter during the special marine warning, please answer Part B.

- What led to your decision to seek shelter / safe harbor during the special marine warning? (Please choose the answer that best applies to your situation.)
  - I typically take cover immediately after receiving a special marine warning issued for my area.

- Expected wave conditions
  - Expected wind conditions
  - Consistency/urgency of forecast
  - Company policy
  - Other information source(s) (e.g., TV, Radio, Internet, Friends/Family, etc.) confirmed that threatening weather was approaching my area
  - Friends, family, and/or other mariners urged me to seek shelter / safe harbor
  - I could see the threatening weather outside
  - Previous experiences I had with hazardous marine weather led me to believe I could be in danger.
  - Other (Please state why)
- b. What led to your decision to not seek shelter during the special marine warning? (Please choose the answer that best applies to your situation.)
- I typically do not take action immediately after receiving a special marine warning issued for my area
  - I did not believe I would be impacted by the hazardous marine weather (Please state why)
  - I could not see threatening weather outside
  - Previous experiences I had with hazardous marine weather led me to believe I was not in danger.
  - I did not trust the accuracy of the warning
  - Other (Please state why)

The following question pertains to the information you may have received **during the hazardous marine weather event** and the actions that you may have taken.

8. People rely on various sources for information during hazardous weather events. Please indicate how the following sources influenced your **decisions as this hazardous marine weather event was ongoing**.

Source Type	No Influence At All	Very Little Influence	Some Influence	A Lot of Influence
Local Television Broadcast (e.g., ABC, NBC, CBS, FOX, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Television Broadcast (e.g., Weather Channel, CNN, FoxNews, MSNBC, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NOAA Weather Radio Broadcast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
US Coast Guard Radio Broadcast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial Radio Broadcast (e.g., AM, FM, HD, Satellite Radio, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

NAVTEX (Navigational Telex)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Print Media (e.g., local newspapers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Weather Service Website (i.e., Weather.gov)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Websites / Social Media (e.g., Weather.com, Facebook, Twitter, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NWS RADIOFAX (WEATHERFAX)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Friends/Family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Government Officials (e.g., Mayor, Governor, President, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Emergency Management (e.g., police, fire department, emergency managers, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Word of Mouth from Faith Leaders (e.g., Pastors, Priest Imam, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The following question pertains to the information and services you received from the National Weather Service and whether you understood the information and services. For instance, if you visited a National Weather Service website (e.g., Weather.gov), NOAA Weather Radio, or NWS WEATHERFAX then please answer the following questions. If you feel did not receive your information from the National Weather Service, please skip to question #10.

- Please rate your level of satisfaction with the information and services you received from the National Weather Service during this particular hazardous marine weather event.

	<b>Very Dissatisfied</b>	<b>Dissatisfied</b>	<b>Neither Dissatisfied nor Satisfied</b>	<b>Satisfied</b>	<b>Very Satisfied</b>
Quality of the information or service received	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Timeliness of the information or services received	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accuracy of information or services received	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Format of the information or services received	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Degree to which the information or services received helped you in decision making	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Degree in which the information or services received explained the hazardous marine weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

threat and expected impacts					
Overall satisfaction with information or services received	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overall satisfaction compared with services/data obtained from other weather information industries (e.g., media, private weather companies, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. In a few short words, please explain your understanding of a Severe Thunderstorm Watch over marine waters.
11. In a few short words, please explain your understanding of a Special Marine Warning.
12. Based on your understanding of the National Weather Service's severe thunderstorm watches over marine waters and special marine warnings, how likely are you to take protective action?

Product	Not Likely At All	Somewhat Likely	Likely	Very Likely	Unsure
Severe Thunderstorm Watch over Marine Waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Special Marine Warning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. When the National Weather Service issues a severe thunderstorm watch over marine waters or special marine warning for your area, how likely do you think it is that you will experience hazardous marine weather near you location?

Product	Not Likely At All	Somewhat Likely	Likely	Very Likely	Unsure
Severe Thunderstorm Watch over Marine Waters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Special Marine Warning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. What is your gender?
- Male
  - Female
  -
15. What is your age?
- 18 - 29
  - 30 - 39

- c. 40 - 49
- d. 50 - 59
- e. 60 - 69
- f. 70+
- g.

16. What is your race?

- a. African American
- b. Asian
- c. Caucasian
- d. Hispanic
- e. Other (please specify) \_\_\_\_\_

17. What is your education level?

- a. Elementary School Only
- b. Some High School, but Did Not Finish
- c. Completed High School
- d. Some College, but Did Not Finish
- e. Two Year College Degree/A.A./A.S. or equivalent
- f. Four Year College Degree/B.A./B.S. or equivalent
- g. Some Graduate Work
- h. Completed Masters or Professional Degree
- i. Advanced Graduate Work/Ph.D

18. What is your household income?

- a. Under \$25,000
- b. \$25,000 - \$39,999
- c. \$40,000 - \$49,999
- d. \$50,000 - \$74,999
- e. \$75,000 - \$99,999
- f. \$100,000 - \$124,999
- g. \$125,000 - \$149,999
- h. Over \$150,000

The National Weather Service sincerely thanks you for your participation in this survey. We will be sure to use your feedback in our continued efforts to improve our products and services that help protect lives and property. Thank you for your time.