

Chesapeake Bay Vibrio Survey

NOTE: The final version for the web-based survey software will feature better images than the ones used here.

This is a voluntary survey.

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0648-0342. Without this approval, we could not conduct this information collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the NOAA National Ocean Service, National Centers for Coastal Ocean Science, Attn: Lonnie Gonsalves, 1305 East West Hwy., Rm 8325, Silver Spring, MD 20910.

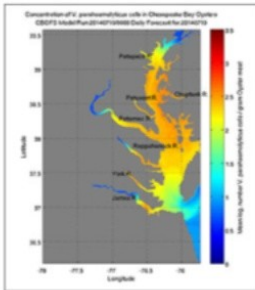
Thank you for taking the time to respond to this survey!

This survey is designed to collect information on the use and usefulness of the Chesapeake Bay Vibrio Predictive Model products. The Chesapeake Bay Vibrio Predictive Models are provided by NOAA on a website; NOAA sends out emails to subscribers such as yourself when the website changes.

This survey should take no more than 10 minutes to complete and will provide NOAA with valuable feedback on how the Forecast is used and how it can be improved.

For reference, this is an image of the website's front page.

Shellfish Guidance - Chesapeake Bay



Vibrio parahaemolyticus (Vp) in Chesapeake Bay Oysters at Harvest

Vibrio concentrations in Oysters harvested from bottom waters of Chesapeake Bay are related to the temperature and salinity. This product uses the [Chesapeake Bay Operational Forecast System](#) to force a statistical model (USFDA 2005) to predict expected concentrations of Vp at the time of harvest. Daily average predictions are provided at 0.2 – 5 km resolution for the mainstem and tributaries for the previous 5 days, current day, and out to 48 hrs in the future.

[View Model](#)

SHELLFISH GUIDANCE

- ▣ *Vibrio parahaemolyticus*
 - Chesapeake Bay
 - Delaware Bay and Coastal Inland Bays
 - Gulf of Mexico
 - Northeast
 - National
 - Pacific Northwest
 - Tampa Bay

WATER GUIDANCE

- ▣ *Vibrio vulnificus*
 - Chesapeake Bay

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WE WANT TO HEAR FROM YOU

Your feedback will help us improve this website.

[SURVEY](#)

1. How would you describe the sector you work in (i.e., how you might use the forecast)?

- Federal government
- State government
- Local government
- Commercial sector
- Non-profit
- Academic/Research
- Private citizen

2. Which state do you use the Vibrio forecast for?

- Maryland
- Virginia

3. How often do you access the NOAA Vibrio Predictive Models on the website?

- Daily
- Weekly
- Monthly
- Less than monthly, but somewhat frequently
- Rarely/never [Skip to Q17.]

4. Do you use the Bulletin for any of the following types of advisories or decision-making?

	Yes	No
Beach closures		
Drinking water advisories/decisions		
Fish or shellfish consumption		
Recreational fishing decisions/advisories		
Other health advisories (not listed above)		
Other: _____		

5. How useful is the Bulletin in each of these uses for your purpose?

(Only asked for the ones selected in Q4..)

	Not at all useful	Minimally useful	Moderately useful	Very useful
Beach closures				
Drinking water advisories/decisions				
Fish or shellfish consumption				
Recreational fishing decisions/advisories				
Other health advisories (not listed above)				
Other: _____				

6. How would you describe the extent to which the NOAA Vibrio Predictive Models are your primary/only source of information?

- I have other sources of information that I prefer
- I use multiple sources of information on Vibrio, including the NOAA website
- I rely primarily on the NOAA Vibrio Predictive Models for information on Vibrio

7. The image {to the right} shows the current day Vibrio forecast for oysters at harvest time for the entire Bay. How useful do you find this part of the model?

- Very useful
- Useful
- Minimally useful
- Not useful
- Not applicable/something I don't use
- I was not aware of this aspect

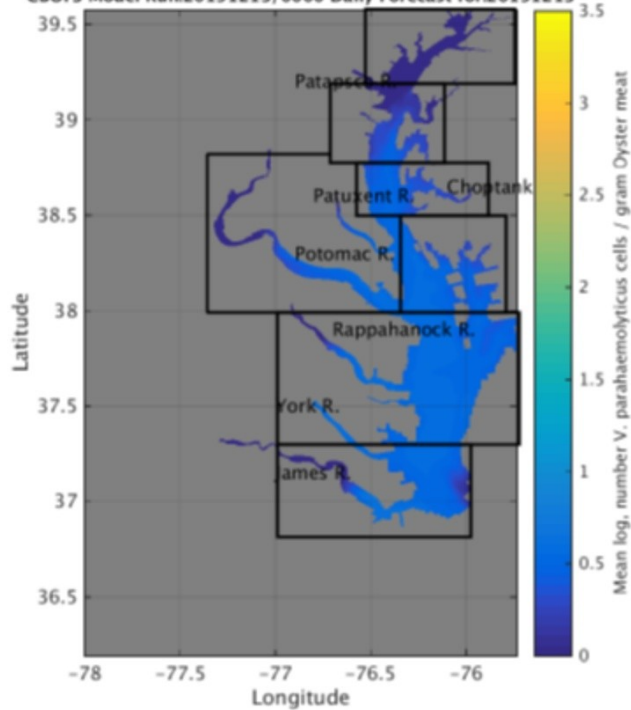
Chesapeake Bay - Today's Forecast

Vp Concentration in Chesapeake Bay Oysters at Harvest

Below is the current day's prediction of expected concentrations of Vp at the time of harvest.

Mouseover and click the desired area to view a running loop of predictions for the previous 5 days, current day, and out to 48 hrs in the future or select full view forecast.

Concentration of V. parahaemolyticus cells in Chesapeake Bay Oysters
CBOFS Model Run:20191213/0000 Daily Forecast for:20191213



8. The image {to the right} shows the forecast for oyster at harvest for a specific area of the Bay. Even though the area shown may not be your specific concern, how useful do you find geographic specificity of this part of the model?

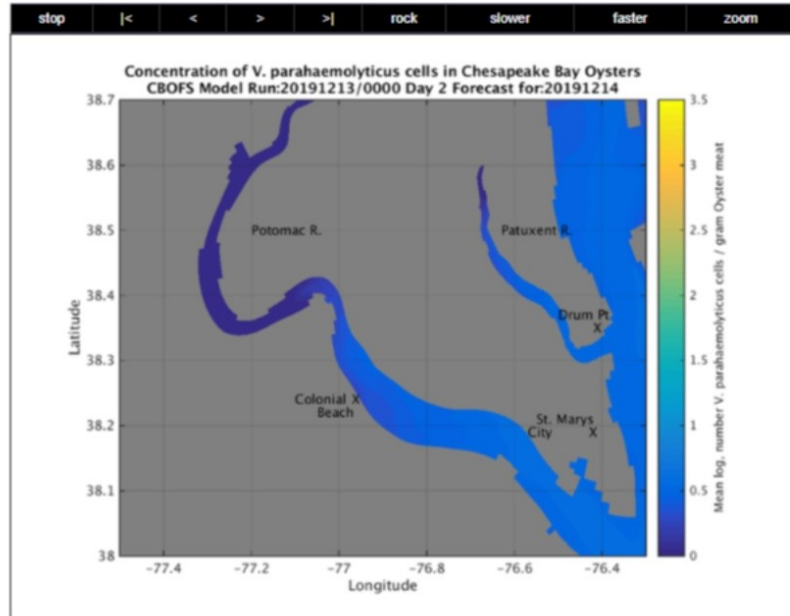
- Very useful
- Useful
- Minimally useful
- Not useful
- Not applicable/something I don't use
- I was not aware of this aspect

Vp Concentration in Chesapeake Bay Oysters at Harvest

View 4

Below is a running loop of predictions for the previous 5 days, current day, and out to 48 hrs in the future.

[Go back to current day prediction.](#)



9. The image {above} also provides an 8-day forecast (prior five days, current day, and 48 hours into the future) using a looping video in the image. How useful are these features of the forecast?

Time frame	Not something I use	I was not aware of this aspect	Not useful	Minimally useful	Useful	Very useful
Past 5 days						
Current day						
Next 48 hours						
Looping video						

10. The image {to the right} shows the forecast the current day Vibrio forecast for oysters post-harvest for the entire Bay. How useful do you find this part of the model?

- Very useful
- Useful
- Minimally useful
- Not useful
- Not applicable/something I don't use
- I was not aware of this aspect

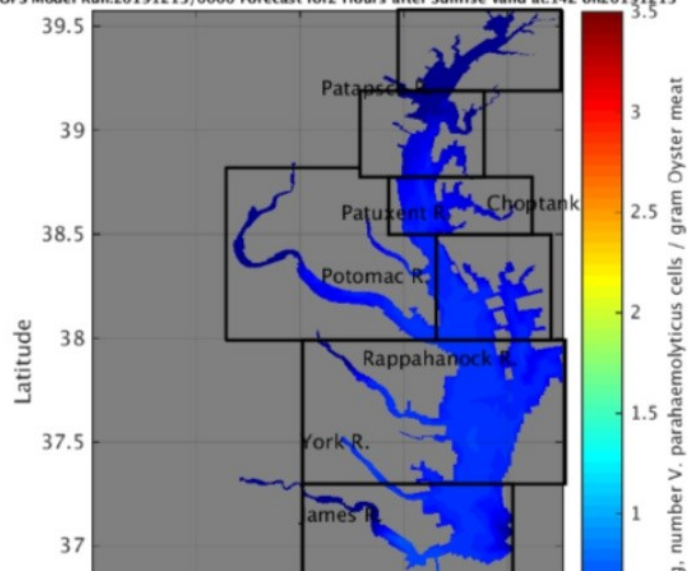
Chesapeake Bay

Vp Concentration in Chesapeake Bay Oysters, Post-Harvest

Below is today's prediction of expected concentrations of Vp, post-harvest.

Mouseover and click the desired area to view a running loop of predictions for today and tomorrow or select [full view forecast](#).

Post Harvest Concentration of V. parahaemolyticus cells in Chesapeake Bay Oysters
CBOFS Model Run:20191213/0000 Forecast for 2 Hours after Sunrise valid at:14Z on20191213



11. The image {to the right} shows the *Vibrio* forecast for oysters post-harvest for a specific part of the Bay. Even though this area may not your area of concern, how useful do you find this geographic specificity?

- Very useful
- Useful
- Minimally useful
- Not useful
- Not applicable/something I don't use
- I was not aware of this aspect

Chesapeake Bay Forecasts

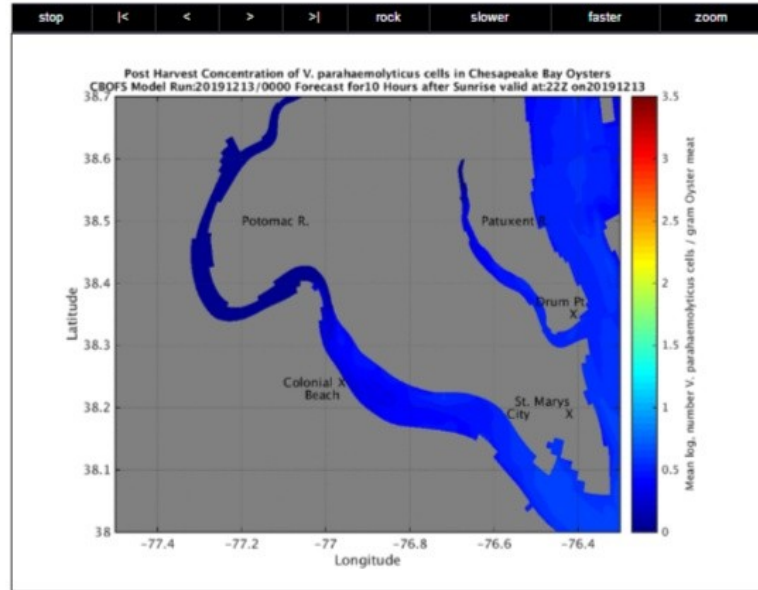
Post Harvest Forecasts of *Vibrio parahaemolyticus* in Oysters

View 4

[Go back and select another view.](#)

Forecast for Harvesting Today

Forecast for Harvesting Tomorrow



12. The image also shows a forecast for harvesting today (up to 10 hours after sunrise at one-hour intervals) and harvesting tomorrow (up to 12 hours after sunrise at 3-hour intervals), both with looping videos of the forecast. How useful are these aspects of the forecast?

Time frame	Not something I use	I was not aware of this aspect	Not useful	Minimally useful	Useful	Very useful
Harvests today						
Harvests tomorrow						
Looping video						

13. If NOAA were to add the following elements to the Vibrio forecast products, how useful would these new elements be to you?

Potential New Element	Not useful	Minimally useful	Useful	Very useful
Seasonal outlooks				
Forecasted water temperature and salinity				

14. To what extent do you agree with each of the following statements?

The forecasts ...	Strongly disagree	Disagree	Agree	Strongly Agree	Don't Know
Are easy to read					
Are understandable					
Provide actionable information					
Are usually correct in its forecast					

15. You indicated that the forecast was not {category from above with a “strongly disagree” or “disagree”}, are there ways in which it can be improved?

Note: There would be 6 of these questions that would only appear when the respondent selects a “strongly disagree” or “disagree” to one of the above.

{Open-Ended}

16. Overall, how satisfied are you with the Chesapeake Bay Vibrio forecast products?

- Not at all satisfied
- Somewhat satisfied
- Moderately satisfied
- Very satisfied

[Q17. is only asked of those who said “Rarely/Never” on Q3.]

17. You said you “rarely/never” access the Vibrio website. Why is that? (Select all that apply)

- Not relevant for me

- The information is too complex
- The information is too simple
- I/my workplace generates HABs-related data
- Don't like the format

[Q18. is asked of everyone.]

18. Is there a feature or additional type of information that you need for your decision-making that is not provided?

{Open-ended}

19. Overall, are there ways in which NOAA can improve the Vibrio forecasts?

{Open-ended}