

The purpose of this survey is to help the Marine Fisheries Advisory Committee (MAFAC) learn more about the information resources fishery stakeholders need and use regarding the effects of large-scale environmental change on fisheries, aquaculture, and coastal communities. **This is a voluntary survey.**

This survey includes 15 questions. We would like to learn from you the types of information resources you need and use, the leaders you trust, and what information formats you find useful. We will use the information gathered in this survey to formulate recommendations for NOAA regarding the information needs of stakeholders, how NOAA communicates with stakeholders, and which tools or methods are most useful.

If you have any questions about this project, please contact us at MAFACinfo@noaa.gov.

Thank you for participating in this survey. Your feedback is important to us.

Sincerely,

Erika Feller and Samantha Danchuck, Co-leads

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions and completing and reviewing the collection of information. Individual responses to this survey will not be shared or distributed. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Heidi Lovett, NOAA Fisheries Office of Policy, 1315 East West Highway, Silver Spring, Maryland 20910.

Notwithstanding any other provisions of 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.

* 1. How concerned are you about the effects of environmental change on fisheries, aquaculture, and coastal communities?

- Very Concerned
- Moderately concerned
- Somewhat concerned
- Not at all concerned
- No opinion

* 2. What kind of information related to the effects of environmental change on fisheries, aquaculture, and coastal communities would be most useful for you?

	Extremely useful	Moderately useful	Somewhat useful	Not at all useful	No opinion
Changing ocean temperatures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ocean acidification or other changes in ocean chemistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea level rise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe weather or flooding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changes in distribution or abundance of fish or prey	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changes in habitat distribution or condition	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effects on shoreside infrastructure (e.g., access to port or harbor facilities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effects on fishing sectors or communities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Early warnings (monthly to seasonal) of changing ocean or resource conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Near-term forecasts (1-2 years) of ocean or resource conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Long-term forecasts (5 years or more) of future ocean or resource conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tools for how to respond to environmental change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other information (please specify):

* 3. How important to you are the following information sources about the effects of environmental change on fisheries, aquaculture, or coastal communities?

	Critical - I couldn't do my work without it.	Moderately Important	Somewhat unimportant	Not at all important	Neutral/No opinion
NOAA Email newsletters (such as NOAA Fisheries FishNews)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Print magazines or newsletters (such as National Fisherman or Sport Fishing)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NOAA websites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other websites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Meetings or conferences (such as the American Fisheries Society annual or regional meetings)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social media (Twitter, Facebook, YouTube, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishery Management Council and related advisory body meetings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E-news magazines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local or national broadcast news	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Newspaper	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reports or journal articles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal regulations or guidance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry newsletters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Listservs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other sources

4. Please tell us your top 3 most used sources of information below. Please be specific.

1.

2.

3.

* 5. Who are the experts you trust as credible sources of information about effects of environmental change on fisheries, aquaculture or coastal communities?

	Most trusted	Somewhat trusted	Not trusted	Neutral/No opinion
University scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry leaders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NOAA or NMFS managers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fishery Management Councils and Commissions members and staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
State agency managers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
State agency scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sea Grant extension agents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Friends or colleagues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conservation group representatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
County or municipal government leader	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal or state elected officials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
News media (e.g., reporter, columnists, bloggers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cooperative research organization (e.g., GMRI, North Pacific Research Board, or others)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other fishermen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Do you have an example of a group or a person who is a leader in your state/region on understanding and addressing the effects of environmental change on fisheries, aquaculture, or coastal communities? Please describe.

* 7. Please rate the usefulness of the following information formats.

	Extremely useful	Useful	Somewhat useful	Not at all useful	No opinion
Photographs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Charts or graphs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
First-hand experience and field trips	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical article	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Executive summary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fact sheets, posters, brochures, or pamphlets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Videos (webinars or YouTube videos)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Newspaper or magazine articles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expert presentation (e.g., at a Council meeting or a workshop)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social media (e.g., Facebook, Twitter)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infographics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. Is there another way of presenting data that is not mentioned above that you find useful? Please describe it below.

* 9. What are your primary uses of information about environmental change and effects on fisheries, aquaculture, or coastal communities? (you may select more than one answer)

- Scientific research
- Education
- Business
- Personal
- Management planning
- Other (please specify)

10. Is there an example of a NOAA communication that impressed you favorably? Please tell us about it.

We would like to know a little bit more about you.

* 11. What is your affiliation? (you may select more than one answer)

- Commercial fisherman
- Crew - commercial boat
- For-hire/charter/headboat captain or guide
- Crew - for-hire/charter/headboat
- Tribe, Pacific Islander, native Hawaiian, or native Alaskan
- Recreational angler
- Aquaculture
- Other fishing related business/industry
- University faculty/staff
- University student
- Other research institution
- State/local government
- Federal government
- News media
- Student or teacher (K-12)
- Nonprofit organization
- Other (please specify)

* 12. Which region(s) are you most interested in the effects of environmental change on fisheries, aquaculture, or coastal communities? (This may or may not be the same region where you live. Please choose as many as apply.)

- New England
- Mid Atlantic
- South Atlantic
- Caribbean
- Gulf of Mexico
- West Coast
- Pacific Islands
- Alaska
- Great Lakes
- All of the above

* 13. Please tell us your age.

- 25 or under
- 26-40
- 41-64
- 65 or over
- I prefer not to answer.

14. How did you hear about this survey?

- Friend
- Through work
- Direct email from NOAA Fisheries
- Direct email from another source
- E-newsletter
- Paper copy
- Other (please specify)

Thank you for completing this survey.

**If you have any questions about this project, please contact us at
MAFACinfo@noaa.gov.**

**And, if you are willing to talk more with us regarding your responses to this survey
or on matters related to this subject, please send us an email at
MAFACinfo@noaa.gov.**