

OMB Control Number: 0710-CCFR
OMB Expiration Date: XX/XX/XXXX

Disclosure

AGENCY DISCLOSURE NOTICE

The public reporting burden for this collection of information, 0710-CCFR, is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

Background Information

Of the following areas, which generally describes the field that you work in?

- a. Emergency Management
- b. Public Health
- c. Governmental Agency (city council, municipal entity, etc.)
- d. Non-Governmental Organization (e.g., American Red Cross)
- e. News/Communications agency
- f. Other

What type of organization do you work for?

- a. Public Safety (sheriff, police, etc.)
- b. Hospital/Medical Office
- c. Public Health Agency
- d. Non-Governmental Agency (American Red Cross, mutual aid organizations, etc.)
- e. Local News Station/Affiliate
- f. Other: _____

How many years have you worked in this area?

Less than 5 years

5-9 years

10-14 years

15-20 years

More than 20 years

Past Reactions

When preparing for a hurricane event, how much do you consider the following factors?

| | Not considered at all | Somewhat not considered | Neither considered nor unconsidered | Somewhat considered | Greatly considered |
|--|-----------------------|-------------------------|-------------------------------------|-----------------------|-----------------------|
| Saffir-Simpson Scale (Hurricane category scale) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Storm surge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Hurricane speed (Forward movement of hurricane center) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Projected precipitation (i.e. projected rainfall totals) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

How concerned are you about the following hazards associated with hurricane events?

| | Very Concerned | Somewhat concerned | Somewhat unconcerned | Not concerned at all |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Storm Surge | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Inland flooding | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Straightline winds | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Tornadoes | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

How effective do you think that the Saffir-Simpson (Hurricane Category) Scale is in accurately conveying the threat posed by a hurricane?

- Very effective
- Somewhat Effective
- Not very effective
- Not effective at all

The Saffir-Simpson Hurricane Wind Scale is based on maximum sustained wind speeds. Which of the following aspects would you find most useful to have integrated into a more comprehensive measure?

- Storm surge
- Inland flooding
- Tornadoes

Other

For the last storm event you experienced, how much of your storm information did you receive from each of the following sources?

| | None | Little | Moderate | Most | Almost all |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| National Hurricane Center | <input type="radio"/> |
| National Weather Service Weather Forecast Office | <input type="radio"/> |
| Local/State Emergency Management Agency | <input type="radio"/> |
| Local News (TV or radio) | <input type="radio"/> |
| National News (TV or radio) | <input type="radio"/> |
| General Weather Website/Social Media (e.g. Weather.com, @weatherchannel) | <input type="radio"/> |
| Special Purpose Websites (HURREVAC, HURRTRAK) | <input type="radio"/> |
| Local Social Media (Twitter, Facebook, Instagram, etc. of other residents in the area) | <input type="radio"/> |
| Other | <input type="radio"/> |

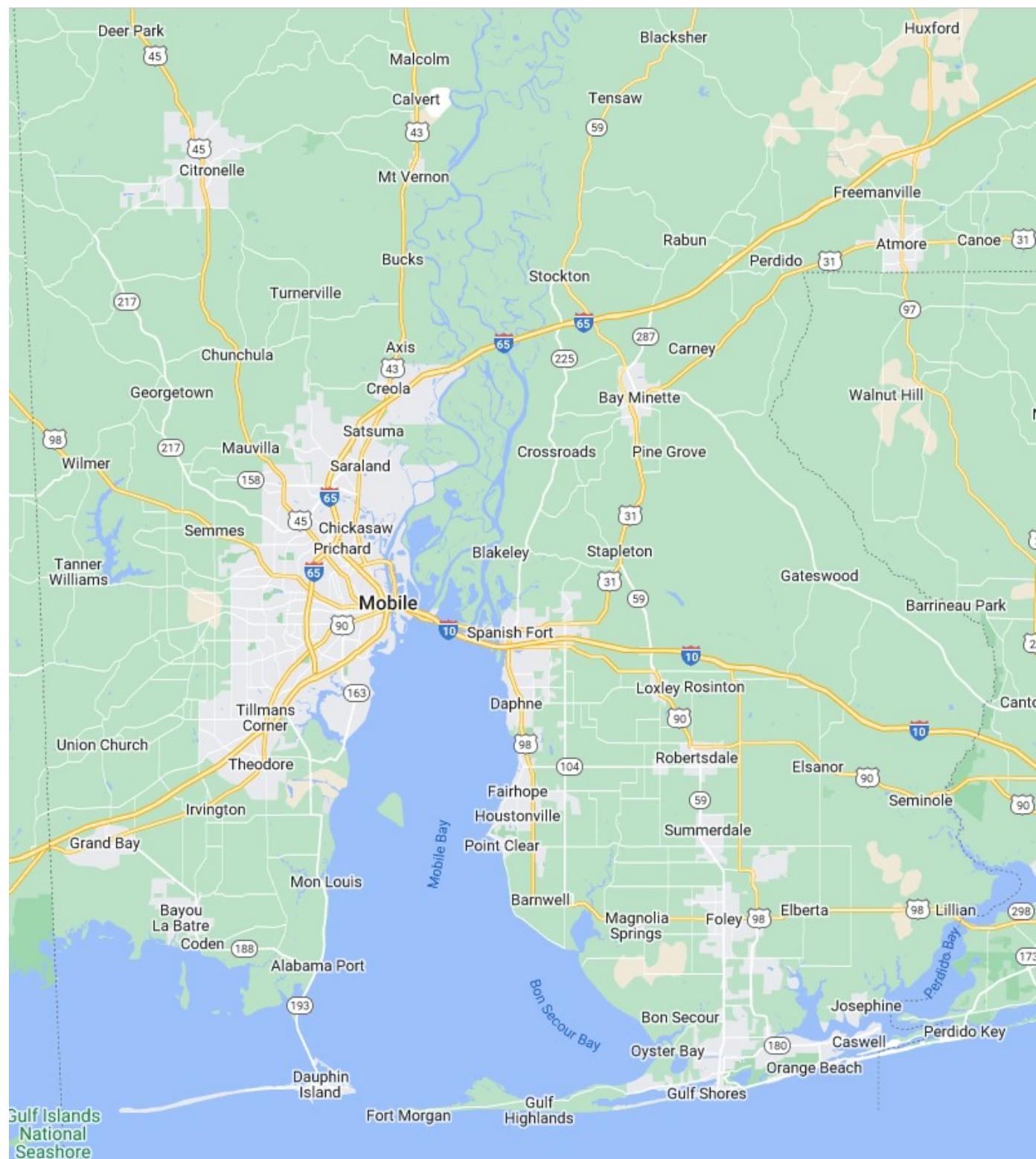
Thinking about the source you used most, why did you prioritize this source?

- Information accuracy
- Information timeliness
- Information comprehensiveness
- Authority of the source
- Information accessibility

Which types of information appear to be the most prioritized by the community? [Select top 3]

- Hurricane track maps
- Hurricane uncertainty cone maps
- Saffir-Simpson hurricane categories
- Hurricane landfall times
- Hurricane swath maps (area affected by hurricane force wind)
- Precipitation forecasts
- Flood Forecasts
- Surge forecasts
- Flood hazard zone
- Social vulnerability map
- Not sure

Select on the map the two geographical areas in your community that you believe to be the most prone to flooding (up to two points).



In the most recent flood event, were you able to prioritize allocating resources to the selected geographical areas?

Yes

No

None applicable

Aside from immediate flooding event preparation (shelters, evacuation directions, sandbags) and recovery assistance, what other resources would you suggest these two areas (that you selected on the map) would most benefit from after a flood event? (Select all that apply)

Direct Financial/Monetary Resources (Assistance with gathering supplies, evacuating, etc.)

Mental Health Resources (Hot/Warm telephone lines, Crisis counselors, Add/Increase community mental health services, etc.)

Educational Resources (Town hall, Brochures, K-12 school events, etc.)

Housing/relocation assistance

Other _____

To what extent has your community's flooding experience in the past decade increased its overall resiliency to cope with future flood events?

Not at all

Minimally

Moderately

Greatly

How likely would you say it is that residents in the selected geographical would identify as being traumatized (by repeated flood events)?

Very likely

Moderately likely

Moderately unlikely

Very unlikely.

Community Reactions - Emergency Managers

Based on the most recent flooding event, do you believe that the type of information you disseminated (hurricane wind speed, projected flood totals, etc.) could be expanded to better inform community members that received services from your organization?

Yes

No

Which type of information appear to be the most prioritized by the community? [Select top 3]

Hurricane track maps

Hurricane uncertainty cone maps

Saffir-Simpson hurricane categories

Hurricane landfall times

Hurricane swath maps (area affected by hurricane force wind)

Precipitation forecasts

Flood forecasts

Surge forecasts

Flood hazard zone

Social vulnerability map

Do you believe that adapting the information you disseminate will change the community's adherence to flooding event preparation guidelines?

Yes

No

Based on the most recent flooding event, and the community's adherence to your agency's suggestions, which information would you change and to what extent?

| | No change | Minimal Changes | Moderate Changes | Substantial Changes | Total Overhaul |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Hurricane track maps | <input type="radio"/> |
| Hurricane uncertainty cone maps | <input type="radio"/> |
| Saffir-Simpson hurricane categories | <input type="radio"/> |
| Hurricane landfall times | <input type="radio"/> |
| Hurricane swath maps (area affected by hurricane force wind) | <input type="radio"/> |
| Precipitation forecasts | <input type="radio"/> |
| Flood forecasts | <input type="radio"/> |
| Surge forecasts | <input type="radio"/> |
| Flood hazard zone | <input type="radio"/> |
| Social vulnerability map | <input type="radio"/> |

In what ways do you believe your organization can improve their flooding event procedures?

Community Reactions - Non-Emergency Managers

How would you classify your duties regarding flooding events in your community?

Informing community members about the flooding event

Preparation before the flooding event (Sandbags, evacuation, food/water distribution, etc.)

Assistance during the flooding event (Search and/or rescue assistance, etc.)

Recovery after the flooding event (Food/water/clothing collection and distribution, clean up, demolition, etc.)

Long term flood event planning (Property buy-out programs, infrastructure planning, long-term flood modeling, etc.)

Based on the most recent flooding event, what influence do you believe the timing of your actions had on the number of community members that received services from your organization?

- Strong influence
- Moderate influence
- Small influence
- No influence

Does your organization have a specific procedure/protocol detailing flooding event preparation and/or response?

- Yes
- No

By which of the following is your organization's flooding event procedure triggered? [Select all that apply]

- Projected flood water heights
- Hurricane wind speed (Category 1, Category 2, etc.)
- Projected storm surge heights
- Other _____

In addition to the selected trigger (Q18), what additional information would you need to inform your organization flood event procedure? (Do not include personal identifiable information, including names)

Technology

Through what channels does the local authority send hurricane warning information to the public in your community? Please select all that apply.

Broadcast radio

Tone alert radio (NOAA Weather Radio)

Television, Newspaper

Audio sirens and alarms

Broadcast voice sirens

Email to the public

Automated text or phone notification

Social media, e.g., Twitter and Facebook

Agency website(s)

Other

How much information does the local authority provides through the following channels?

| | None | Little | Moderate | Substantial | Complete |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Broadcast radio | <input type="radio"/> |
| Tone alert radio (NOAA Weather Radio) | <input type="radio"/> |
| Television, Newspaper | <input type="radio"/> |
| Audio sirens and alarms | <input type="radio"/> |
| Broadcast voice sirens | <input type="radio"/> |
| Email to the public | <input type="radio"/> |
| Automated text or phone notification | <input type="radio"/> |
| Social media, e.g., Twitter and Facebook | <input type="radio"/> |
| Agency website(s) | <input type="radio"/> |
| Other | <input type="radio"/> |

In the near future, how likely do you believe it is for your community to expect an increased number of flooding events in your area?

Very likely

Somewhat likely

Somewhat unlikely

Very unlikely

Flood Zones

How confident are you about each of the hazard information communication tools listed below?

| | Not at all confident | Somewhat confident | Moderately confident | Very Confident | Not familiar with this communication type. |
|--|-------------------------|-----------------------|-------------------------|-----------------------|---|
| Hurricane track maps | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Hurricane uncertainty cone maps | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Saffir-Simpson hurricane categories | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Hurricane landfall times | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Hurricane swath maps (area affected by hurricane force wind) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Precipitation forecasts | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Flood forecasts | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Surge forecasts | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Flood hazard zone | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Social vulnerability map | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

When using maps portraying flood hazard zones, which information do you prefer to be included?
(Select all that apply)

Flood insurance rates

Likelihood of flooding (as recurrence intervals or annual probabilities)

Average household income

Infrastructure map (transportation and critical facilities such as light rails, schools, Bus/Transit routes, and Hospital locations)

Social vulnerability to floods

Officially designated flood zones (FEMA's 100-year flood zones)

Which of the following do you feel would most improve flood maps?

Increased number of variables shown

Increased level of detail

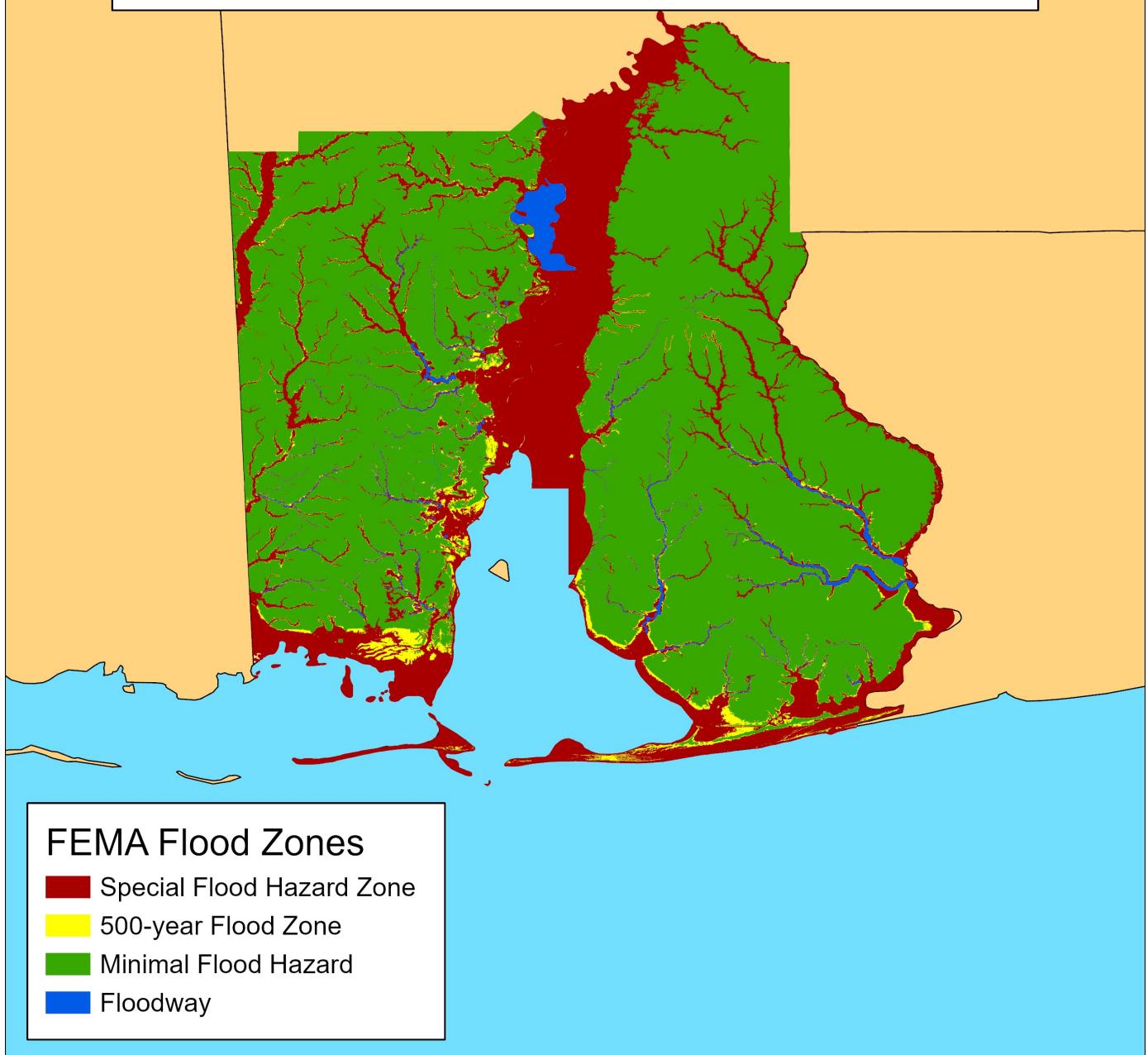
Increased readability

Increased simplicity

What do you usually use flood maps for in your field?

Below is a map portraying the likelihood of flooding in the Mobile area with a 1% annual chance.

Mobile, Alabama FEMA Flood Zones



What changes would you make to this flood map for use in your job?