# FOCUS ON FLOODING – Houston, TX San Jacinto River Basin Area
## Nurture Nature Center - Eaton, PA
### Research Project with National Oceanic & Atmospheric Administration
### 07/23/2024   18:00 - 20:00
### Meeting Notes

<u>Community Needs:</u>

1.  Information compiled into a format that gives a complete assessment of flooding possibilities, not one that provides piece meal information.
    a.  Storm Surge
    b.  Tidal rise injunction with Storm Surge and other factors
    c.  Upstream flood water impacts
    d.  Imperviable surface effects/Increase in imperviable surface areas near floodway needs to be accessed.
    e.  Flood Impediments - Water displacement effects i.e manmade structures such as bridges & RR Trestles, barge mooring areas, pilings, docks
    f.  Changes in topography of floodway/river banks effecting water flow & direction.
    g.  Increase in amount of rain and flood gauges to give a better analysis of water amounts and speed in more concise areas.

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

    ✓ TV: Station(s)? _____

    ✓ Radio: Station(s)? _____

    __Smartphone: App(s)? _____

    __Internet: Website(s) _____

    __Twitter: Follow _____

    ✓ Facebook: Source(s) _BOB RIZHAK_____

    __Friend, family member, other trusted source:_____

    __Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

    ✓ Discuss with family and friends

    __Seek further information

    __Contact local officials

    __Other _____

**Please tell us about yourself.**

**13: Do you or your organization identify with any of the following groups that the federal government, in Executive Order 13985, has identified as underserved? Check all that apply.**

    _____     Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color

    _____     Members of religious minorities

    _____     Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

    _____     Persons with disabilities

    ✓     Persons who live in rural areas

    _____     Persons otherwise adversely affected by persistent poverty or inequality

    _____     No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

*All responses to this information collection are voluntary and anonymous. Send comments regarding this information collection to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.*

**1: How did you learn about this focus group?**

FACEBOOK

**2: What was your reason for attending?**

PUBLIC SERVICE

**3: Do you currently use National Weather Service products?**

☑ Yes    ☐ No    ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☑ Yes    ☐ No

**5: Please describe which products you use if applicable.**

AHPS

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

_____

**7: How do you receive NWS information about imminent extreme weather events?**

TV, AM RADIO

**8: Have you been impacted as a result of flooding events?**

☑ Yes    ☐ No

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years    ☐ 2-5 years ago    ☑ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk  ☐ 1  ☐ 2  ☑ 3  ☐ 4  ☐ 5  Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

__TV: Station(s)? _____

__Radio: Station(s)? _____

X Smartphone: App(s)? _AccuWeather, Weather Channel_____

X Internet: Website(s) _USGS Water Data, Water.weather.gov_

__Twitter: Follow _____

__Facebook: Source(s) _____

X Friend, family member, other trusted source:_____

__Other: _Humble ISD empl/student info.; Ready Harris (new)_

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

X Discuss with family and friends

X Seek further information

__Contact local officials

X Other _weather apps, USGS water level at the West Fork San Jacinto ~~River~~ River gauge._

**Please tell us about yourself.**

**13: Do you or your organization identify with any of the following groups that the federal government, in Executive Order 13985, has identified as underserved? Check all that apply.**

_____ Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color

_____ Members of religious minorities

_____ Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

_____ Persons with disabilities

_____ Persons who live in rural areas

_____ Persons otherwise adversely affected by persistent poverty or inequality

X No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

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**1: How did you learn about this focus group?**

neighbor

**2: What was your reason for attending?**

frustration with information failures in prior events

**3: Do you currently use National Weather Service products?**

☒ Yes ☐ No ☐ Unsure    Weather Channel.

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes ☒ No

**5: Please describe which products you use if applicable.**

USGS Water Data

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

1 day to 6 hours

**7: How do you receive NWS information about imminent extreme weather events?**

mobile phone

**8: Have you been impacted as a result of flooding events?**

☒ Yes ☐ No

Allison
Ike

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years ☐ 2-5 years ago ☒ More than 5 years ago

Harvey, Aug. 2017

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk ☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5 Extremely High Risk

• The Conroe Dam is under better management
• The Lake Houston Dam (gate/s) are malfunctioning
• Dredging is needed.

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

- ✓ TV: Station(s)? _____
- ✓ Radio: Station(s)? _____
- __ Smartphone: App(s)? _____
- ✓ Internet: Website(s) _____
- __ Twitter: Follow _____
- ✓ Facebook: Source(s) _____
- ✓ Friend, family member, other trusted source:_____
- __ Other: _____

**12:  If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

- ✓ Discuss with family and friends
- ✓ Seek further information
- __ Contact local officials
- __ Other _____

**Please tell us about yourself.**

**13:     Do you or your organization identify with any of the following groups that the federal government, in Executive Order 13985, has identified as underserved?  Check all that apply.**

- ✓ Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color
- _____ Members of religious minorities
- _____ Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons
- _____ Persons with disabilities
- _____ Persons who live in rural areas
- _____ Persons otherwise adversely affected by persistent poverty or inequality
- _____ No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

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**1: How did you learn about this focus group?**

_Email notification_

**2: What was your reason for attending?**

_To voice my opinion & obtain information_

**3: Do you currently use National Weather Service products?**

☐ Yes ☐ No ☑ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes ☑ No

**5: Please describe which products you use if applicable.**

_____

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

_At least 2 days_

**7: How do you receive NWS information about imminent extreme weather events?**

_TV, email, text, radio_

**8: Have you been impacted as a result of flooding events?**

☑ Yes ☐ No

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years ☐ 2-5 years ago ☑ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk ☐ 1 ☐ 2 ☑ 3 ☐ 4 ☐ 5 Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

      X TV: Station(s)? _____

      __Radio: Station(s)? _____

      __Smartphone: App(s)?      _____

      __Internet: Website(s)      _____

      __Twitter: Follow _____

      __Facebook: Source(s)      _____

      __Friend, family member, other trusted source:_____

      __Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

      __Discuss with family and friends

      X Seek further information

      __Contact local officials

      __Other _____

**Please tell us about yourself.**

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      X     Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color

      ____     Members of religious minorities

      ____     Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

      ____     Persons with disabilities

      ____     Persons who live in rural areas

      ____     Persons otherwise adversely affected by persistent poverty or inequality

      ____     No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

**1: How did you learn about this focus group?**

CIP

**2: What was your reason for attending?**

To find out what going on

**3: Do you currently use National Weather Service products?**

☐ Yes    ☐ No    ☒ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes    ☒ No

**5: Please describe which products you use if applicable.**

_____

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

_____

**7: How do you receive NWS information about imminent extreme weather events?**

N/O

**8: Have you been impacted as a result of flooding events?**

☒ Yes    ☐ No

**9: If yes, please indicate the most recent occurrence:**

☒ within the last 2 years    ☐ 2-5 years ago    ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk    ☐ 1    ☐ 2    ☐ 3    ☐ 4    ☒ 5    Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

    ✓ TV: Station(s)? _____

    __ Radio: Station(s)? _____

    __ Smartphone: App(s)? _____

    __ Internet: Website(s) _____

    __ Twitter: Follow _____

    __ Facebook: Source(s) _____

    __ Friend, family member, other trusted source:_____

    __ Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

    ✓ Discuss with family and friends

    __ Seek further information

    __ Contact local officials

    __ Other _____

**Please tell us about yourself.**

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    _____     Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color

    _____     Members of religious minorities

    _____     Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

    _____     Persons with disabilities

    _____     Persons who live in rural areas

    _____     Persons otherwise adversely affected by persistent poverty or inequality

    _____     No, I do not identify with any of these groups

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# Survey Questions - Pre-Focus Group Session Survey (Residents)

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**1: How did you learn about this focus group?**

A friend    CIP

**2: What was your reason for attending?**

To learn More About Weather Flood

**3: Do you currently use National Weather Service products?**

☑ Yes      ☐ No      ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes      ☑ No

**5: Please describe which products you use if applicable.**

Just Look At Flood water

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

_____

**7: How do you receive NWS information about imminent extreme weather events?**

13ABC    11

**8: Have you been impacted as a result of flooding events?**

☑ Yes      ☐ No

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years      ☑ 2-5 years ago      ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk   ☐ 1   ☐ 2   ☐ 3   ☑ 4   ☐ 5   Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

    _✓_TV: Station(s)? _____13_____

    ___Radio: Station(s)? _____

    _✓_Smartphone: App(s)? _____WEATHER_____

    _✓_Internet: Website(s) _____WEATHER_____

    ___Twitter: Follow _____

    ___Facebook: Source(s) _____

    ___Friend, family member, other trusted source:_____

    ___Other: _____HC SERVICES_____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

    _✓_Discuss with family and friends

    ___Seek further information

    ___Contact local officials

    ___Other _____

**Please tell us about yourself.**

**13: Do you or your organization identify with any of the following groups that the federal government, in Executive Order 13985, has identified as underserved? Check all that apply.**

| | |
|---|---|
| _r_ | Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color  ! RESIDENTS |
| | Members of religious minorities |
| _T_ | Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons RESIDENTS |
| _T_ | Persons with disabilities RESIDENTS |
| | Persons who live in rural areas |
| _T_ | Persons otherwise adversely affected by persistent poverty or inequality RESIDENTS |
| _____ | No, I do not identify with any of these groups |

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# Survey Questions - Pre-Focus Group Session Survey (Residents)

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**1: How did you learn about this focus group?**

CAROLYN STONE

**2: What was your reason for attending?**

HAVE PROPERTIES THAT FLOOD

**3: Do you currently use National Weather Service products?**

☑ Yes ☐ No ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes ☐ No  MAYBE

**5: Please describe which products you use if applicable.**

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

1 DAY

**7: How do you receive NWS information about imminent extreme weather events?**

INTERNET

**8: Have you been impacted as a result of flooding events?**

☑ Yes ☐ No

**9: If yes, please indicate the most recent occurrence:**

☑ within the last 2 years ☐ 2-5 years ago ☐ More than 5 years ago

1 month

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☑ 5 Extremely High Risk

HAVE PROPERTIES

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

- ✓ TV: Station(s)? _____
- ✓ Radio: Station(s)? _____
- ✓ Smartphone: App(s)? _____
- ✓ Internet: Website(s) _____
- ___ Twitter: Follow _____
- ✓ Facebook: Source(s) _____
- ✓ Friend, family member, other trusted source: _____
- ___ Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

- ✓ Discuss with family and friends
- ✓ Seek further information
- ✓ Contact local officials
- ✓ Other _Prepare to secure my home and evacuate_

**Please tell us about yourself.**

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- ___ Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color
- ___ Members of religious minorities
- ___ Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons
- ___ Persons with disabilities
- ___ Persons who live in rural areas
- ___ Persons otherwise adversely affected by persistent poverty or inequality
- ✓ No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

**1: How did you learn about this focus group?**

*a neighbor*

**2: What was your reason for attending?**

*To be informed on flood issues and share with my community*

**3: Do you currently use National Weather Service products?**

☑ Yes      ☐ No      ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☑ Yes      ☐ No

**5: Please describe which products you use if applicable.**

*Data published by the Harris County Flood Control District*

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

*days*

**7: How do you receive NWS information about imminent extreme weather events?**

*web and broadcast*

**8: Have you been impacted as a result of flooding events?**

☑ Yes      ☐ No

**9: If yes, please indicate the most recent occurrence:**

☑ within the last 2 years      ☐ 2-5 years ago      ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk   ☐ 1   ☐ 2   ☐ 3   ☐ 4   ☑ 5   Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

     _X_ TV: Station(s)? _____

     ___ Radio: Station(s)? _____

     ___ Smartphone: App(s)? _____

     ___ Internet: Website(s) _____

     _X_ Twitter: Follow _Space City Weather, NWS_

     _X_ Facebook: Source(s) _Local News, Texas Storm Chasers_

     _X_ Friend, family member, other trusted source:_____

     ___ Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

     _X_ Discuss with family and friends

     _X_ Seek further information

     ___ Contact local officials

     _✓_ Other _plan for worst case scenarios_

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_____ Members of religious minorities

_____ Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

_____ Persons with disabilities

_____ Persons who live in rural areas

_____ Persons otherwise adversely affected by persistent poverty or inequality

_✓_ No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

**1: How did you learn about this focus group?**

Galena Park - JC CtP

**2: What was your reason for attending?**

To ensure our community has input

**3: Do you currently use National Weather Service products?**

☒ Yes ☐ No ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes ☒ No

**5: Please describe which products you use if applicable.**

NWS app

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

2-4 weeks

**7: How do you receive NWS information about imminent extreme weather events?**

News, IG, Twitter

**8: Have you been impacted as a result of flooding events?**

☒ Yes ☐ No

**9: If yes, please indicate the most recent occurrence:**

☒ within the last 2 years ☐ 2-5 years ago ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk ☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

__TV: Station(s)? _CLICK 2 HOUSTON WEATHER_

__Radio: Station(s)? _AM 740_

__Smartphone: App(s)? _NATIONAL WEATHER SERVICE_

__Internet: Website(s) _____

__Twitter: Follow _____✓_____

__Facebook: Source(s) _____✓_____

__Friend, family member, other trusted source: _FRIEND_

__Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

✓Discuss with family and friends

✓Seek further information

__Contact local officials

__Other _____

**Please tell us about yourself.**

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_____ Persons with disabilities

_____ Persons who live in rural areas

_____ Persons otherwise adversely affected by persistent poverty or inequality

__✓__ No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

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**1: How did you learn about this focus group?**

CHANSELVIEW HEALTH + IMPROVEMENT COALITION MEETING 6/24

**2: What was your reason for attending?**

SOLUTIONS TO DUR FLOODING PROBLEMS

**3: Do you currently use National Weather Service products?**

☑ Yes    ☐ No    ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes    ☑ No

**5: Please describe which products you use if applicable.**

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

READY NOW

**7: How do you receive NWS information about imminent extreme weather events?**

ALERTS CONSTABLE PRECENTS 3 DNJH NOTIFICATION

**8: Have you been impacted as a result of flooding events?**

☑ Yes    ☐ No

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years    ☑ 2-5 years ago    ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk    ☑ 1    ☐ 2    ☐ 3    ☐ 4    ☐ 5    Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

__✓TV: Station(s)? _____

__Radio: Station(s)? _____

__✓Smartphone: App(s)? _____

__✓Internet: Website(s) _____

__Twitter: Follow _____

__Facebook: Source(s) _____

__Friend, family member, other trusted source:_____

__Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

__✓Discuss with family and friends

__✓Seek further information

__Contact local officials

__Other _____

**Please tell us about yourself.**

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_____ Members of religious minorities

_____ Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

_____ Persons with disabilities

_____ Persons who live in rural areas

_____ Persons otherwise adversely affected by persistent poverty or inequality

_____ No, I do not identify with any of these groups

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**1: How did you learn about this focus group?**

INTERNET

**2: What was your reason for attending?**

INTEREST & ADVOCACY OF FLOODING

**3: Do you currently use National Weather Service products?**

☐ Yes  ☑ No  ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☑ Yes  ☐ No  HARRIS COUNTY FLOOD WARNING SYSTEM

**5: Please describe which products you use if applicable.**

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

2 DAY THEN CONTINUOUS UPDATES

**7: How do you receive NWS information about imminent extreme weather events?**

FLOODING IN WEBSITES

**8: Have you been impacted as a result of flooding events?**

☑ Yes  ☐ No

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years  ☑ 2-5 years ago  ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk  ☐ 1  ☐ 2  ☐ 3  ☑ 4  ☐ 5  Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

___ TV: Station(s)? _____

✓ Radio: Station(s)? _____

✓ Smartphone: App(s)? _____

✓ Internet: Website(s) _____

___ Twitter: Follow _____

___ Facebook: Source(s) _____

✓ Friend, family member, other trusted source:_____

✓ Other: _governmental agencies - acquaintances_

**12:  If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

✓ Discuss with family and friends

✓ Seek further information

✓ Contact local officials

___ Other _____

**Please tell us about yourself.**

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✓ _____    Black, Latino, and Indigenous and Native American persons, Asian Americans and
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_____    Members of religious minorities

_____    Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

✓ _____    Persons with disabilities

_____    Persons who live in rural areas

✓ _____     Persons otherwise adversely affected by persistent poverty or inequality

_____    No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

**1: How did you learn about this focus group?**

Jacinto City-Galena Park CID - Diane Sheridan

**2: What was your reason for attending?**

Flooding in my community - need for useful info

**3: Do you currently use National Weather Service products?**

☑ Yes   ☐ No   ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☑ Yes   ☐ No

**5: Please describe which products you use if applicable.**

Various via internet & tv - or provided by other organization

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

@ least 1 wk for useful prep.

**7: How do you receive NWS information about imminent extreme weather events?**

news - internet - phone

**8: Have you been impacted as a result of flooding events?**

☑ Yes   ☐ No

**9: If yes, please indicate the most recent occurrence:**

☑ within the last 2 years   ☐ 2-5 years ago   ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk   ☐ 1   ☐ 2   ☐ 3   ☑ 4   ☐ 5   Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

__TV: Station(s)? _____

__Radio: Station(s)? _____

__Smartphone: App(s)? _____

__Internet: Website(s) _____

__Twitter: Follow _____

__Facebook: Source(s) _____

__Friend, family member, other trusted source:_____

__Other: _____

**12: If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

__Discuss with family and friends

__Seek further information

__Contact local officials

__Other _____

**Please tell us about yourself.**

**13: Do you or your organization identify with any of the following groups that the federal government, in Executive Order 13985, has identified as underserved? Check all that apply.**

_____ Black, Latino, and Indigenous and Native American persons, Asian Americans and Pacific Islanders, and other persons of color

_____ Members of religious minorities

_____ Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

_____ Persons with disabilities

_____ Persons who live in rural areas

_____ Persons otherwise adversely affected by persistent poverty or inequality

_____ No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

**1: How did you learn about this focus group?**

Jennifer Christopher

**2: What was your reason for attending?**

Was really affected by the latest flooding in Houston.

**3: Do you currently use National Weather Service products?**

☐ Yes  ☑ No  ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☐ Yes  ☑ No

**5: Please describe which products you use if applicable.**

N/A

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

1 week

**7: How do you receive NWS information about imminent extreme weather events?**

The News, Google Alert, Amber Alert.

**8: Have you been impacted as a result of flooding events?**

☑ Yes  ☐ No

**9: If yes, please indicate the most recent occurrence:**

☑ within the last 2 years  ☐ 2-5 years ago  ☐ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk  ☐ 1  ☑ 2  ☐ 3  ☐ 4  ☐ 5  Extremely High Risk

**11: Where do you get information about imminent extreme weather events, such as flooding and hurricanes? Please check all that apply.**

✓ TV: Station(s)? _____

✓ Radio: Station(s)? _____

✓ Smartphone: App(s)? _____

__ Internet: Website(s) _____

__ Twitter: Follow _____

__ Facebook: Source(s) _____

__ Friend, family member, other trusted source:_____

__ Other: _____

**12:  If you learn that a significant weather hazard is approaching your area, what do you typically do? (Please check all that apply.)**

__ Discuss with family and friends

✓ Seek further information

__ Contact local officials

__ Other _____*Prepare*_____

**Please tell us about yourself.**

**13:     Do you or your organization identify with any of the following groups that the federal government, in Executive Order 13985, has identified as underserved?  Check all that apply.**

____          Black, Latino, and Indigenous and Native American persons, Asian Americans and
                 Pacific Islanders, and other persons of color

____          Members of religious minorities

____          Lesbian, gay, bisexual, transgender, and queer (LGBTQ+) persons

____          Persons with disabilities

____          Persons who live in rural areas

____           Persons otherwise adversely affected by persistent poverty or inequality

✓          No, I do not identify with any of these groups

*Thank you for participating. Your feedback is valuable.*

# Survey Questions - Pre-Focus Group Session Survey (Residents)

**1: How did you learn about this focus group?**

Community Social media

**2: What was your reason for attending?**

Concern for residents to have a better understanding of the ability to predict flooding events

**3: Do you currently use National Weather Service products?**

☑ Yes          ☐ No          ☐ Unsure

**4: Do you currently use any Flood Inundation Map products?**

☑ Yes          ☐ No

**5: Please describe which products you use if applicable.**

Harris County Flood Control

**6: How much advance notice of a severe precipitation and flooding event would you need to prepare?**

3 days

**7: How do you receive NWS information about imminent extreme weather events?**

Computer or phone — internet

**8: Have you been impacted as a result of flooding events?**

☑ Yes          ☐ No

**9: If yes, please indicate the most recent occurrence:**

☐ within the last 2 years          ☐ 2-5 years ago          ☑ More than 5 years ago

**10: How do you rate your flood risk where you currently reside?**

Very Low Risk    ☐ 1    ☐ 2    ☐ 3    ☐ 4    ☑ 5    Extremely High Risk