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## Response Rate

89% of responses who have opened the survey, have completed all the questions.

Entity Type	Total	Responses	Percent
Municipality	135	25	19%
County	29	13	45%
Other*	186	6	3%
<b>Total</b>	<b>350</b>	<b>44</b>	<b>13%</b>

\*Other includes drainage districts, levee improvement districts, water control and improvement districts, municipal utility districts, and council of governments.

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# Floodplain Management & Ordinances

1<sup>st</sup> Category – 8 Questions

Related Tasks: 3A, 3C, 8



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## Question Completion

Question No.	Number of Answers	Answer Rate
1	39/44	89%
2	39/44	89%
3	39/44	89%
4	39/44	89%
5	39/44	89%
6	36/44	86%
7	39/44	89%
8	22/44	50%

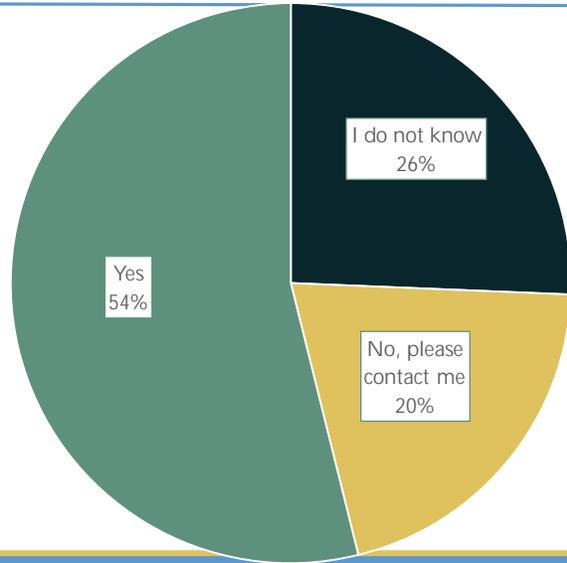


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# Question 1

The Regional Flood Planning Groups did extensive research during the first cycle to try to identify each entity's level of floodplain management. This data collection effort was summarized in Table 6 of the Regional Flood Plan. Please review Table 6 through the link provided. Is the information in Table 6 sufficient for your community? (Drop-down)

- I do not know
- No, Please Contact Me
- Yes



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# Question 2

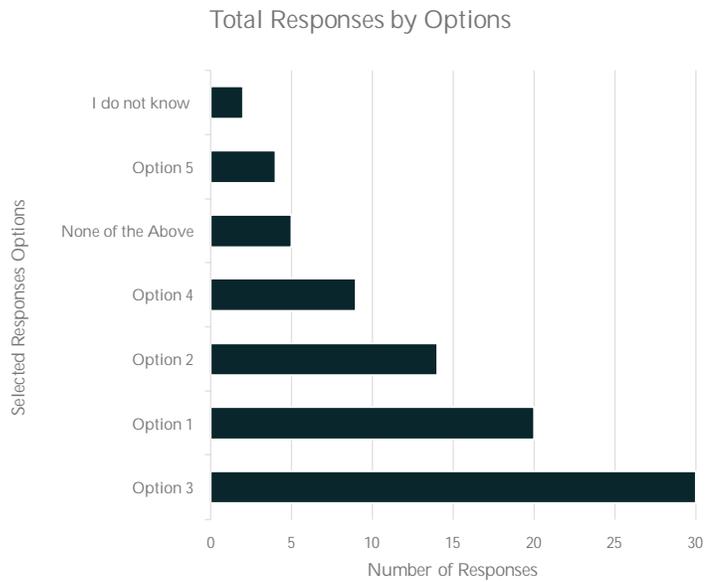
What regulations and/or development codes does your jurisdiction have in place to manage existing and future flood risk for developments? Select all that apply.

Options:

- 1) Drainage Criteria Manual/Design Manual
- 2) Land use regulations
- 3) Ordinances (Floodplain, Drainage, Stormwater, etc.)
- 4) Unified Development Code (UDC) and/or Zoning Ordinance with map
- 5) Other: \_\_\_\_\_

- None of the Above
- I do not know

\*Note: Responses for "Other" were left unspecified

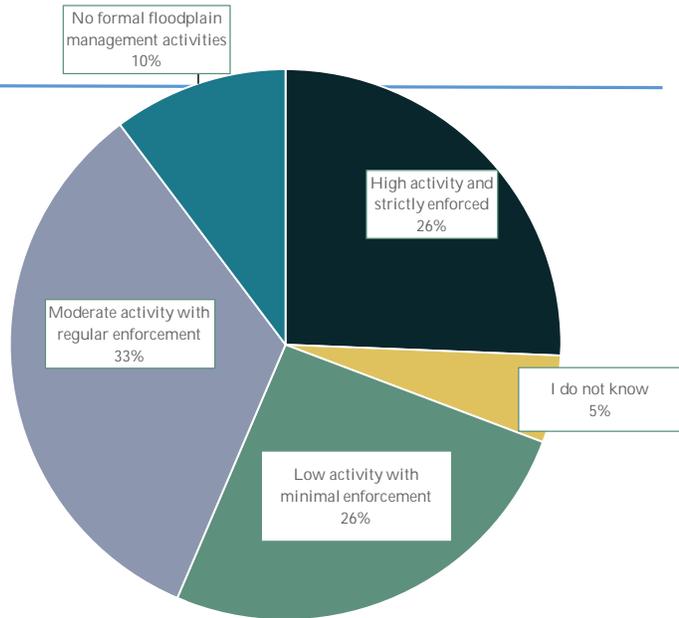


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# Question 3

How would you describe your jurisdiction's activity level and enforcement of floodplain management practices?(Drop-down)

- High activity and strictly enforced
- Moderate activity with regular enforcement
- Low activity with minimal enforcement
- No formal floodplain management activities
- I do not know



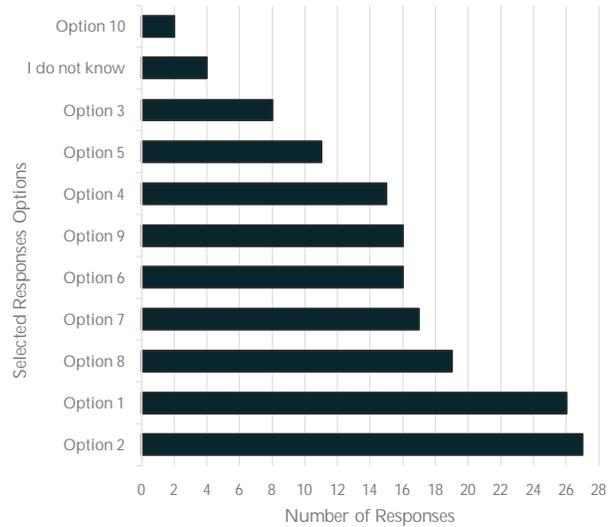
7

# Question 4

In your opinion, should the RFG recommend any of the following minimum standards for all jurisdictions within the region? Select all that apply.

- 1) Participate in the NFIP or adopt equivalent standards
  - 2) Regulate development in the FEMA floodplain or other local floodplain designated by local jurisdiction
  - 3) Establish higher standards (more stringent than the NFIP) for development or freeboard above the floodplain
  - 4) Drainage corridor preservation
  - 5) Compensatory flood storage
  - 6) Land use standards to reduce future flood risk
  - 7) Bridge, culvert and/or roadway drainage standards
  - 8) Detention standards
  - 9) No adverse impact standards
  - 10) Other: \_\_\_\_\_
- I do not know
  - None of the Above

Total Responses by Options



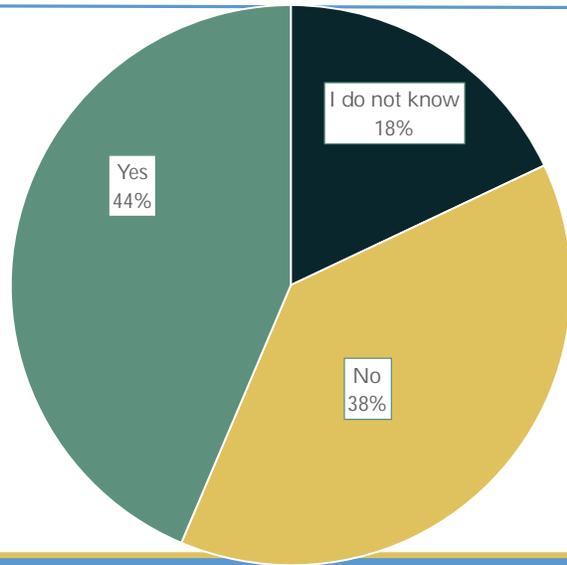
\*Note: Responses for "Other" were left unspecified

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## Question 5

In your opinion, should the RFG adopt/require consistent minimum standards across the entire region? Such a requirement would only allow the RFG to consider including flood mitigation solutions for those entities who currently meet the adopted/required minimum standards. (Drop-down)

- Yes
- No
- I do not know

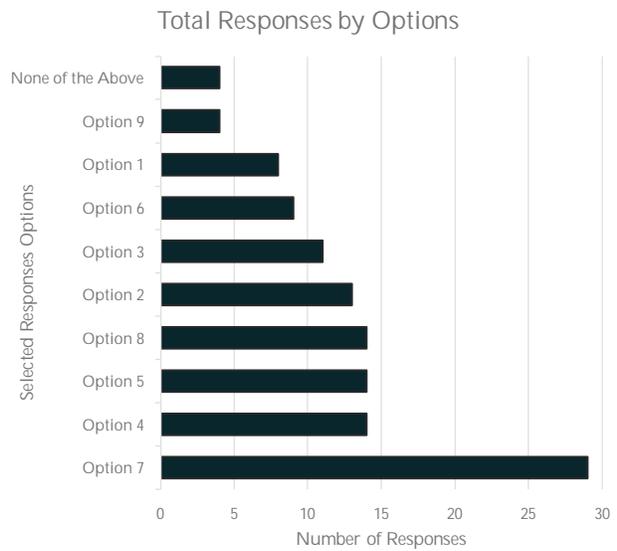


## Question 6

Which measures does your jurisdiction take to promote resilience in flood-prone areas? Select all that apply.

- 1) Acquisition of flood prone properties
  - 2) Flood readiness education and training
  - 3) Flood warning system
  - 4) Land use regulations that limit future flood risk
  - 5) Higher floodplain management standards
  - 6) Participation in the Community Rating System (CRS)
  - 7) Participation in the National Flood Insurance Program (NFIP)
  - 8) Flood response planning
  - 9) Other: \_\_\_\_\_
- I do not know
  - None of the above

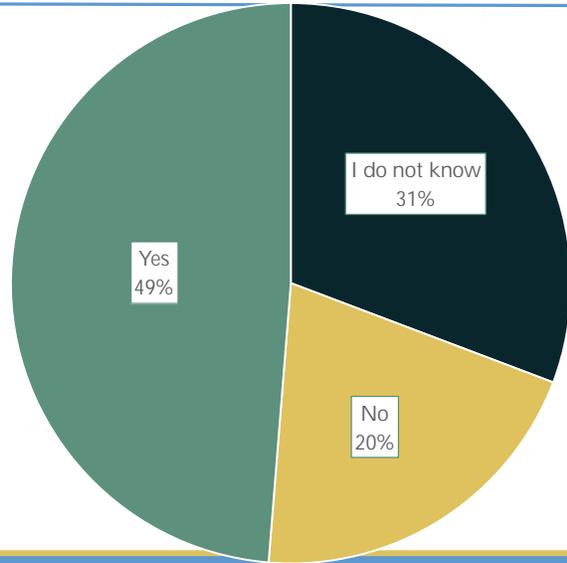
\*Notes:  
 - Responses for "Other" were left unspecified.  
 - No Community chose "I do not know"



## Question 7

During the first cycle of Regional Flood Planning, the RFPG developed Recommended Minimum Floodplain Management Standards for the entire region. Do you agree with the Recommended Minimum Floodplain Management Standards shown in Table 3? (Drop-down)

- Yes
- No
- I do not know



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## Question 8

Do you have any suggestions or improvements the Texas legislature could consider for increased floodplain management standards? (Fill in the Blank)

### Summary of Comments/Notes

A more concise program with better training and support for those at the local level.

Improve standards providing storage for the 500-year storm event.

Clarity with the language used in the legislation and consideration of how communities with varying resources will be able to implement the standards would be helpful. For example, with the RFPG recommended minimum floodplain management standards, compensatory storage in the 500-yr floodplain and drainage corridor preservation might be difficult for communities to implement state-wide.

Freeboard above BFE; Floodplain Administrators should be required to obtain CFM certification

Give the Counties more regulatory and enforcements abilities.

In the Health and Safety Code, Sec. 366.005(a), change "addresses" to "latitude and longitude".

Restrict building permits for residential and critical facilities in the fully developed floodplain; State purchase of floodways and storage

Regulating floodplain encroachment/levee improvement districts

State should adopt minimum standards

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# Floodplain Studies & Maps

2<sup>nd</sup> Category – 4 Questions

Related Tasks: 2A, 2B



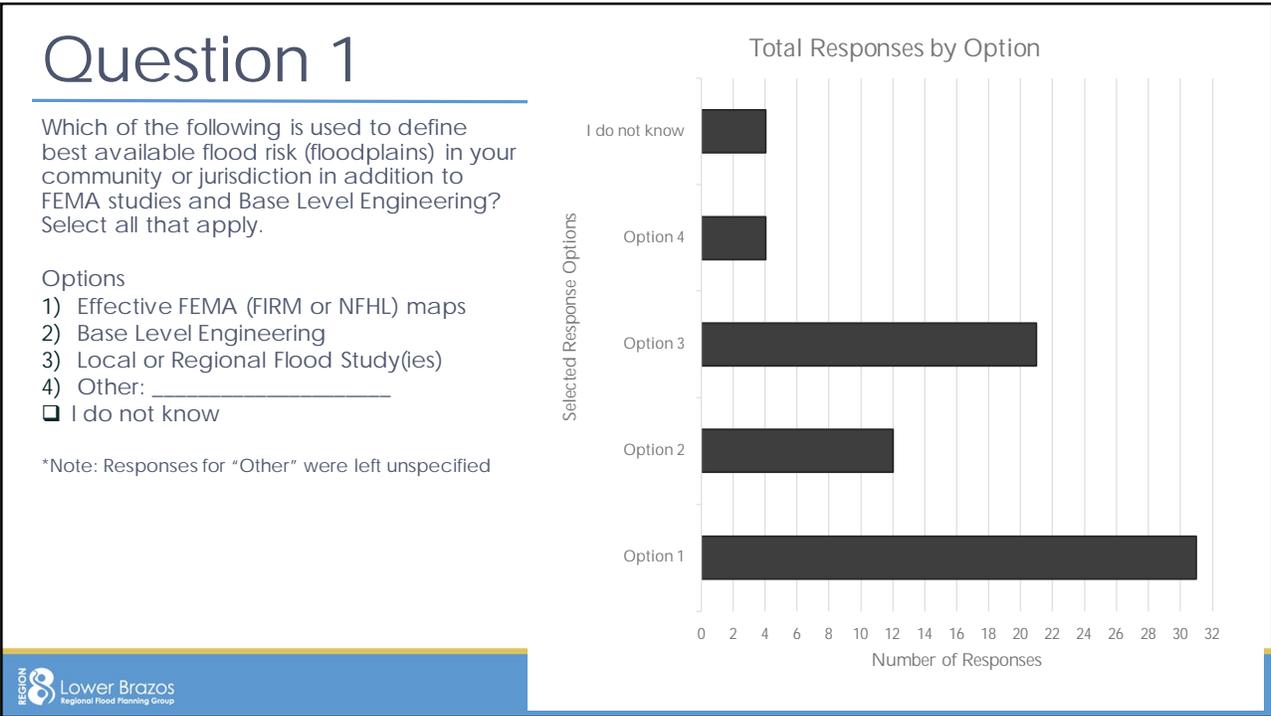
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## Question Completion

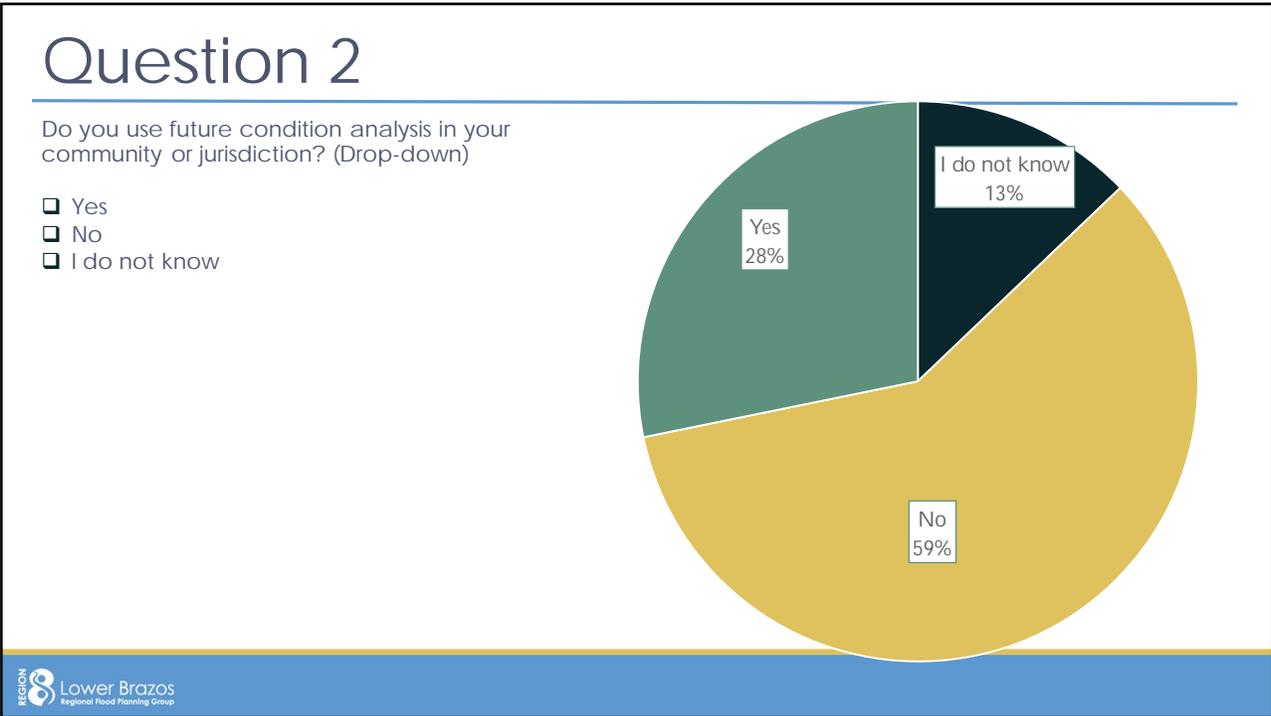
Question No.	Number of Answers	Answer Rate
1	39/44	89%
2	39/44	89%
3	39/44	89%
4	15/44	34%



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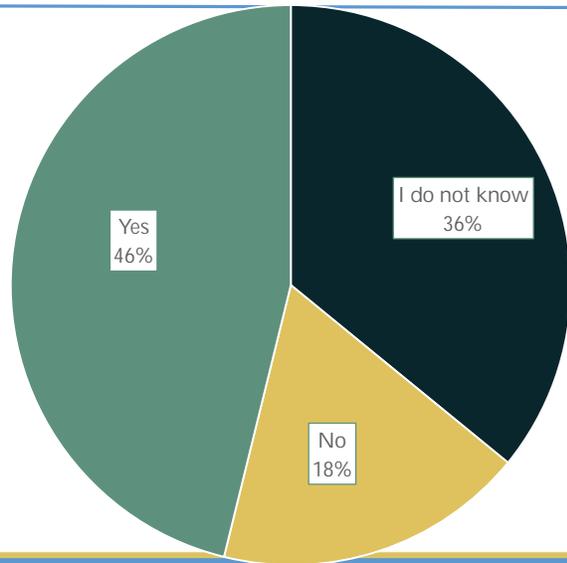


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## Question 3

Were flood risk reduction activities identified in any of the local or regional flood studies? (Drop-down)

- Yes
- No
- I do not know



## Question 4

Any other comments or notes? (fill in the blank)

### Summary of Comments/Notes

Backwater impacts from studied streams should be considered.

The need for current FEMA maps/flood studies to be updated to reflect existing conditions and incorporate Atlas 14 rainfall data.

Some flood mitigation activities are included in Hazard Mitigation Plans

Development in the Lower portion of the Region has experienced increased frequency of construction which removed floodplain detention without mitigation

Requests for follow-ups on TWDB grant funded studies

# Risk Reduction Alternatives

3<sup>rd</sup> Category – 2 Questions

Related Tasks: 4A, 5A



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## Question Completion

Question No.	Number of Answers	Answer Rate
1	40/44	91%
2	38/44	38%

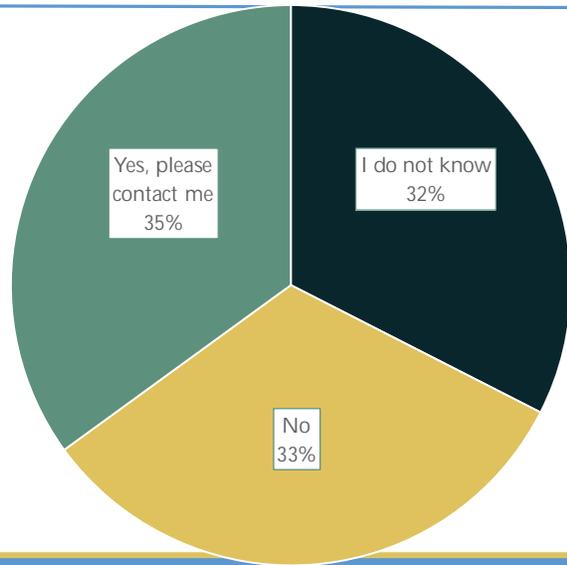


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# Question 1

Does your jurisdiction have flood risk reduction planning documents or information for your community that you would like considered for inclusion in the plan? (Drop-down)

- Yes, Please contact me
- No
- I do not know

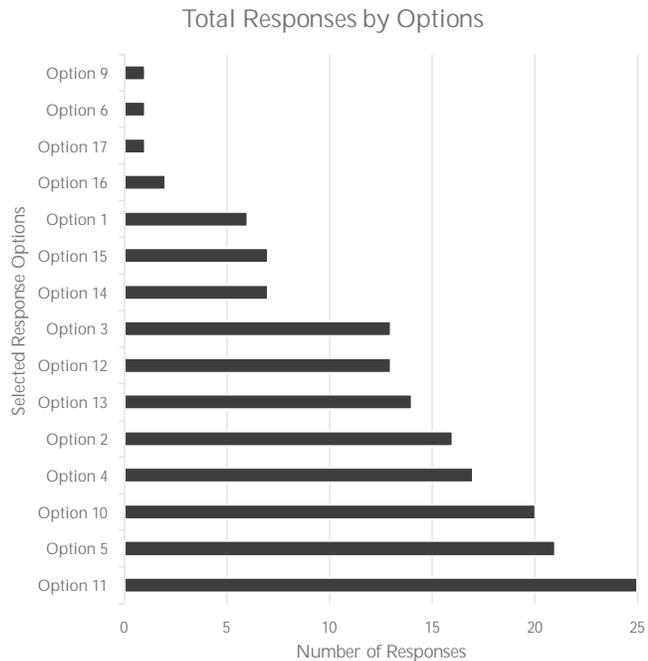


# Question 2

What, if any, flood risk reduction activities are currently in progress in your community? Select all that apply.

- 1) Levees, flood walls
- 2) Dams, reservoirs, detention/retention basins
- 3) Storm drainage systems, tunnels
- 4) Channel/canal conveyance improvements
- 5) Roadway crossing improvements
- 6) Sea barriers, walls, revetments
- 7) Tidal barriers, gates
- 8) Coastal groins, jetties, breakwaters
- 9) Nature-based projects
- 10) Floodplain management ordinances
- 11) Flood insurance (participation in the NFIP)
- 12) Flood awareness outreach and/or education
- 13) Flood warning system, stream/rain gauges
- 14) Property buyouts/acquisition
- 15) Property elevations, floodproofing, or retrofits
- 16) Unknown
- 17) Other: \_\_\_\_\_

\*Notes:  
Responses for "Other" were left unspecified  
Options 7 & 8 were not chosen



# Flood Finance

4<sup>th</sup> Category – 3 Questions

Related Tasks: 9

23

## Question Completion

Question No.	Number of Answers	Answer Rate
1	40/44	91%
2	16/44	36%
3	37/44	84%

24

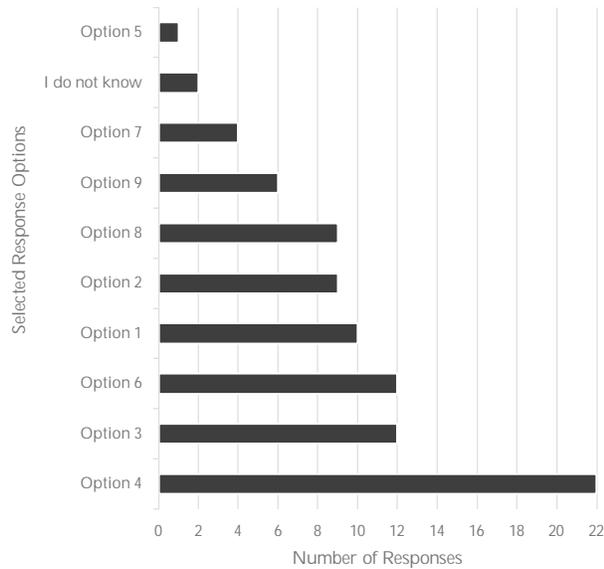
# Question 1

Which of the following describes your typical local funding sources for flood management activities? Select all that apply.

- 1) Storm Water Utility Fee
- 2) Ad Valorem Tax
- 3) Bond Program
- 4) General Fund
- 5) Impact Fees
- 6) Permitting Fees
- 7) Special Tax Districts
- 8) We do not have a local funding source for flood management activities
- 9) Other: \_\_\_\_\_
- I do not know

\*Notes:  
Responses for "Other" were left unspecified

Total Responses by Options



# Question 2

If you have a Stormwater Utility Fee, what is the Storm Water Utility Rate? (fill in the blank)

Summary of Answers

\$3.75/resident and on commercial it is multiplied by square footage of impervious cover on site

\$6.00 per single family connection

\$6.55/month per 2,633 sq. ft. of impervious cover

\$6.75/1000 sf of IC/month

\$9.00 per lot drainage fee

1 Equivalent Resident Unit = \$5.40 per month

2.75 per month (0.5-acre Single Family Residential)

Rates are monthly: \$7.25/single family detached residential unit ; \$3.25/residential units attached; \$3.50/1,000 sf commercial use

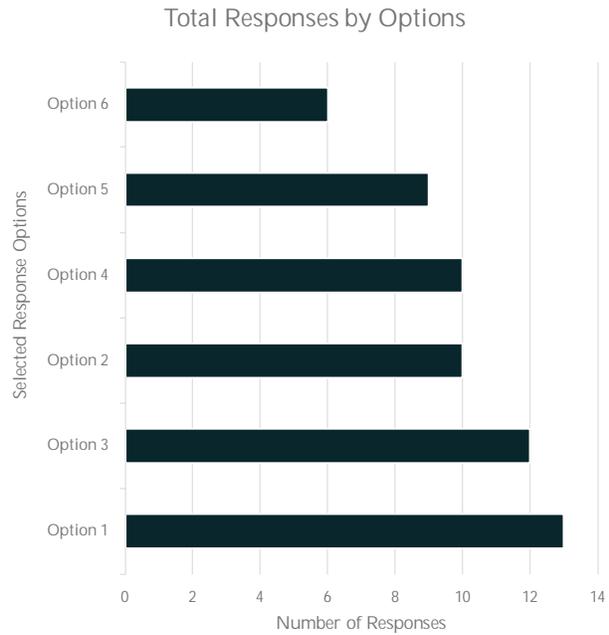
Residential: \$3.00 per Equivalent Resident Unit , Non-Residential: \$3.00 per 2,500 sq ft

## Question 3

Are there reasons why your jurisdiction does not seek other funding sources to pay for implementation of your flood management activities? Select all that apply.

- 1) No knowledge of other funding sources
- 2) Project/Jurisdiction does not meet requirements
- 3) Lack of expertise to apply for funding
- 4) No matching funds if required local share
- 5) Unknown
- 6) Other: \_\_\_\_\_

\*Notes:  
Responses for "Other" were left unspecified



# Hazard Mitigation & Emergency Planning

5<sup>th</sup> Category – 6 Questions

Related Tasks: 7, 8

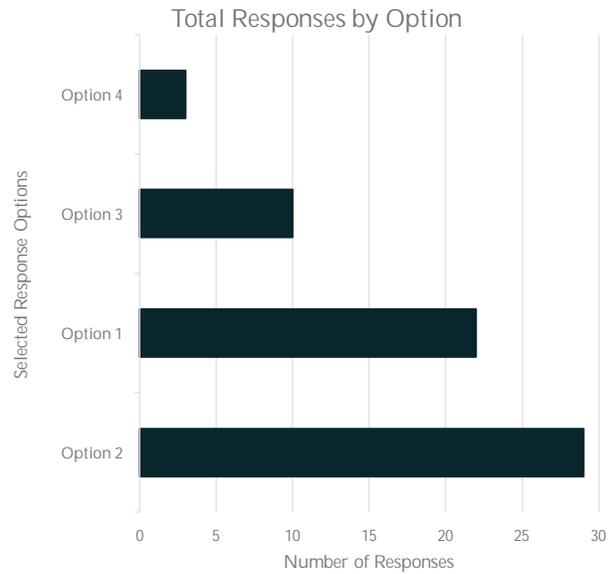
# Question Completion

Question No.	Number of Answers	Answer Rate
1	33/44	75%
2	35/44	80%
3	31/44	70%
4	39/44	89%
5	37/44	84%
6	37/44	84%

# Question 1

Does your community have any of the following planning documents? Select all that apply.

- 1) Emergency Action Plans (flood-related portions)
- 2) Hazard Mitigation Plan
- 3) Other regional and local flood planning studies
- 4) Other: \_\_\_\_\_



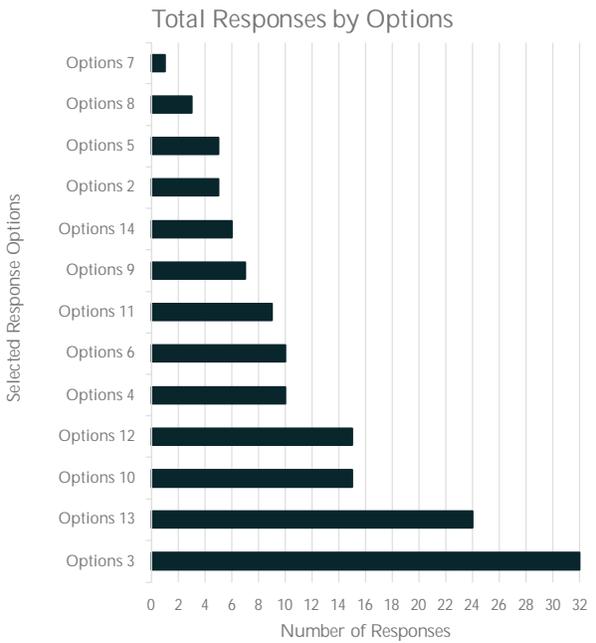
## Question 2

Select the flood response measures your jurisdiction currently uses for emergency response. Select all that apply.

- 1) Automatic low water crossing gates
- 2) Coordination with TxDOT message boards
- 3) Crew(s) set up barricades or close gates
- 4) Flood forecasting tool
- 5) Flood gauges
- 6) Flood warning signs
- 7) Flood warning signs with flashing lights
- 8) Outdoor siren/message speaker system
- 9) Portable/temporary traffic message boards
- 10) Public facing website
- 11) Rain/stream gauges
- 12) Reverse 911 system
- 13) Social media
- 14) Other: \_\_\_\_\_

\*Notes:

Responses for "Other" were left unspecified  
Option 1 was not chosen



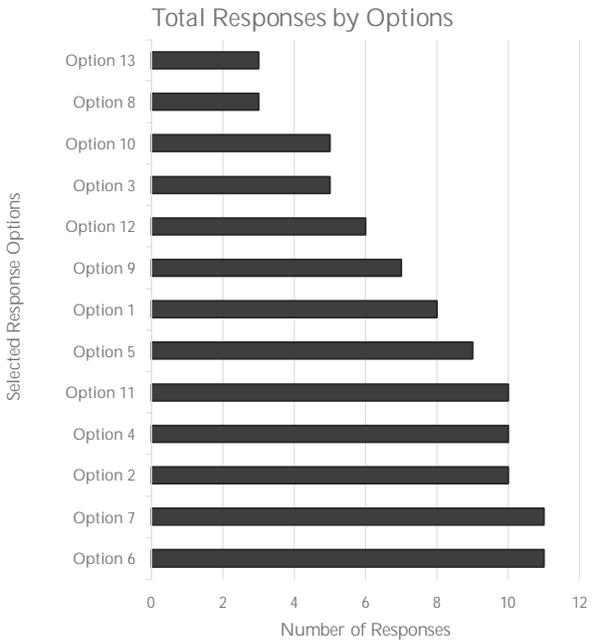
## Question 3

Select the flood response measures your jurisdiction would like to implement as changes or additions to the emergency response system. Select all that apply.

- 1) Automatic low water crossing gates
- 2) Coordination with TxDOT message boards
- 3) Crew(s) set up barricades or close gates
- 4) Flood forecasting tool
- 5) Flood gauges
- 6) Flood warning signs
- 7) Flood warning signs with flashing lights
- 8) Outdoor siren/message speaker system
- 9) Portable/temporary traffic message boards
- 10) Public facing website
- 11) Rain/stream gauges
- 12) Reverse 911 system
- 13) Social media
- 14) Other: \_\_\_\_\_

\*Notes:

'Other' was not chosen



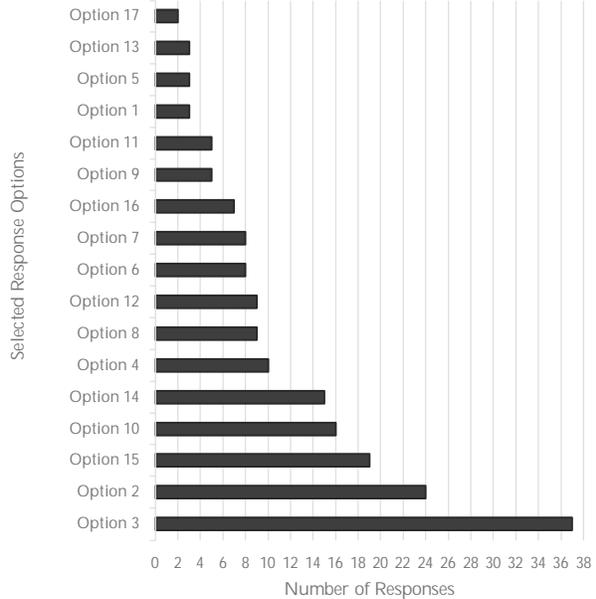
# Question 4

In preparation of a flood event, indicate the entities with whom you coordinate to improve flood response. Select all that apply.

- 1) Ag Extension Agents
- 2) City
- 3) County
- 4) Council of Government
- 5) TWDB
- 6) FEMA
- 7) Flood control district
- 8) Local dam owner/operator
- 9) Local levee owner/operator
- 10) National Weather Service (NWS)
- 11) NOAA
- 12) River Authority or District
- 13) River Forecast Center
- 14) TDEM
- 15) TxDOT
- 16) USACE
- 17) Other: \_\_\_\_\_

\*Notes:  
Responses for "Other" were left unspecified

Total Responses by Options



33

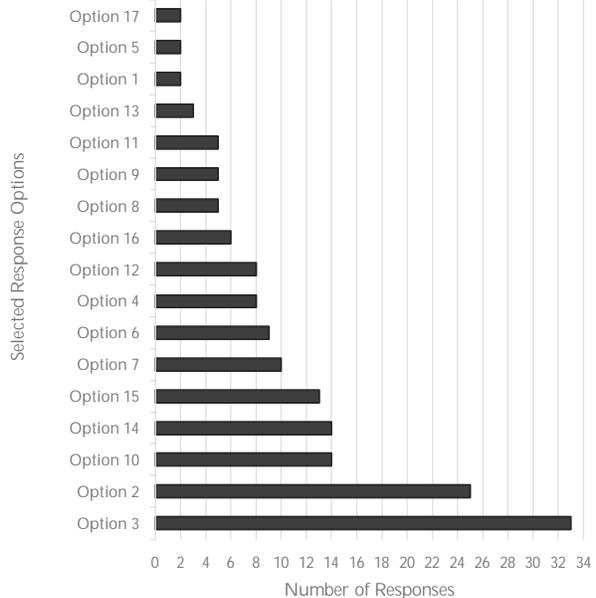
# Question 5

During a flood event, indicate the entities with whom you coordinate flood response. Select all that apply.

- 1) Ag Extension Agents
- 2) City
- 3) County
- 4) Council of Government
- 5) TWDB
- 6) FEMA
- 7) Flood control district
- 8) Local dam owner/operator
- 9) Local levee owner/operator
- 10) National Weather Service (NWS)
- 11) NOAA
- 12) River Authority or District
- 13) River Forecast Center
- 14) TDEM
- 15) TxDOT
- 16) USACE
- 17) Other: \_\_\_\_\_

\*Notes:  
Responses for "Other" were left unspecified

Total Responses by Options



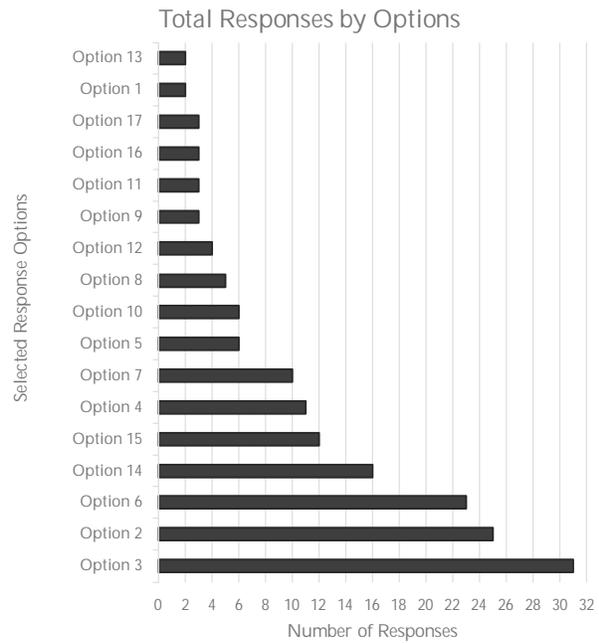
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# Question 6

Following a flood event, indicate the entities with whom you coordinate flood recovery and cleanup. Select all that apply.

- 1) Ag Extension Agents
- 2) City
- 3) County
- 4) Council of Government
- 5) TWDB
- 6) FEMA
- 7) Flood control district
- 8) Local dam owner/operator
- 9) Local levee owner/operator
- 10) National Weather Service (NWS)
- 11) NOAA
- 12) River Authority or District
- 13) River Forecast Center
- 14) TDEM
- 15) TxDOT
- 16) USACE
- 17) Other: \_\_\_\_\_

\*Notes:  
Responses for "Other" were left unspecified



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# Interactive Map

6<sup>th</sup> Category – 2 Questions

Related Tasks: 1, 2A, 2B

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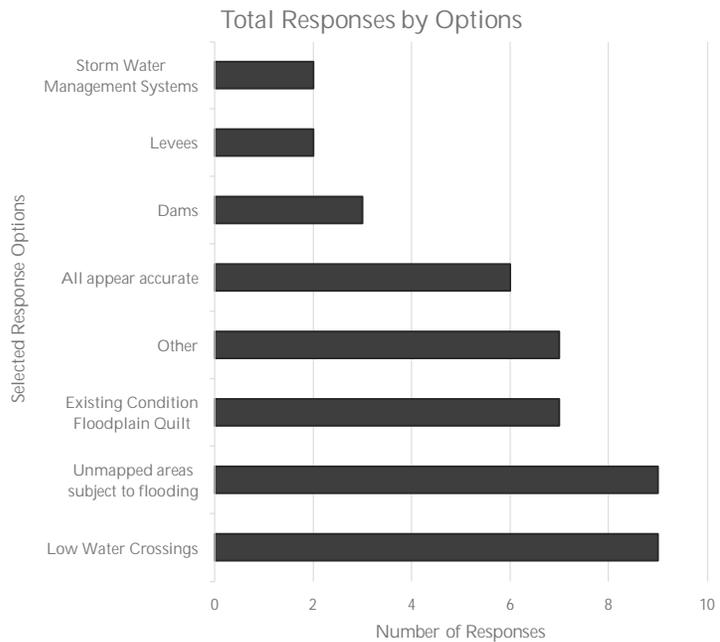
# Question Completion

Question No.	Number of Answers	Answer Rate
1	27/44	61%
2	38/44	86%

## Question 1

Upon review of the web map, does any of the data appear inaccurate for your jurisdiction? Select all that apply.

- Existing Condition Floodplain Quilt
- Unmapped areas subject to flooding
- Levees
- Dams
- Storm Water Management Systems
- Low Water Crossings
- Coastal Infrastructure
- All appear accurate
- Other: \_\_\_\_\_



## Question 2

Would your jurisdiction like to share geospatial files?  
(Drop-down)

- Yes
- No
- I don't know

