

## *Appendix C – Survey 2*

Survey 2 was emailed directly to those people who indicated within Survey 1 their interest in completing the second survey. Survey Monkey was used to create this survey.

This appendix contains both the survey questions (attached here) and the survey responses (posted [online](#) as a Microsoft Excel spreadsheet).



## State Flood Assessment Survey 2

Thank you very much for completing Survey 1 and volunteering to complete this follow-up survey for the State Flood Assessment.

We appreciate your patience as we worked to craft these questions based on responses to Survey 1 and feedback gathered at the stakeholder workshops. Unlike Survey 1, these questions ask about information specific to your entity, and we request that you consolidate your information with any other survey participants from your entity prior to submitting your response.

This survey should take approximately 20 minutes and must be completed in one session. The PDF attached to the email you received containing this survey link can be printed to facilitate gathering the necessary information prior to completing the survey online.

1. Please provide the name of the entity you represent.

2. Please provide your job title or role with that entity.

3. Approximately what percentage of your time in this role is devoted to flood-related responsibilities?

4. Please provide your email address (in case there is a need to follow up with clarification).

5. Has your jurisdiction adequately identified flood risk and conducted the planning efforts needed to develop appropriate flood mitigation solutions?

- Yes  
 No

6. If you chose 'no' for question 5, please identify the most significant barrier, excluding all financial barriers, to get you to the project implementation phase.

If you chose 'yes', leave blank and skip to next question.

7. If you chose 'yes' for question 5, please identify the most significant barrier, excluding all financial barriers, to fully implement the flood mitigation activities you've identified as necessary for your jurisdiction. If you chose 'no', leave blank and skip to next question.



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8. Over the next ten years, what specific challenges do you face regarding managing any potential increase in flood risk in your jurisdiction?

9. Other than those related to financing, what actions would you like to see taken at the state level that would help to facilitate planning and implementation of activities to address your specific flooding issues?

10. Does your jurisdiction have access to the necessary training and educational resources for floodplain management?

- No  
 Yes

11. If you chose 'no' for question 10, please describe your additional training and educational needs. If you chose 'yes', leave blank and skip to next question.

12. If you chose 'yes' for question 10, please describe the training and educational resources you currently utilize.

If you chose 'no', leave blank and skip to next question.



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13. What actions would you like to see taken at the state level that would address or enhance your training and educational needs?

14. What is the total estimated amount spent from all funding sources in your jurisdiction from 2008 to present day (last 10 years) to implement flood mitigation activities?

Enter actual amount spent since 2008

15. Approximately what percentage of the amount you identified in question 14 was directed at each of the flood mitigation activities below? Please enter "0" if no portion went to that activity and use the "Other" options below if needed.

**Flood Mitigation Activities**

**Percentage of Amount Spent (2008 – 2018)**

Levees, flood walls, or related infrastructure

Regional detention and/or retention basins

Local drainage infrastructure

Roadway crossings (bridges, culverts, and pipes)

Property buyouts or relocations

Other 1 [please include description of activity and percent]:

Other 2 [please include description of activity and percent]:

Other 3 [please include description of activity and percent]:

16. Approximately what percentage of the amount you identified in question 14 came from each of these funding sources? Please enter "0" if no portion came from that funding source and use the "Other" options below if needed.

**Funding Sources**

**Percentage of Amount Spent (2008 – 2018)**

Local budget

State funding

Federal funding

Other [please include description and percent]:



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17. Please indicate which of the following funding sources your community utilized for floodplain management activities between 2008 and present day by entering the approximate amount received into the appropriate box.

If you have not received funding from that source, please enter a zero.

If you have received funding from a state or federal source not identified below, please describe the source of funds and approximate amount within an "Other" box.

**Funding Sources**

**Dollars Received (2008 – 2018)**

Clean Water State Revolving Fund (CWSRF) [TWDB]	
Community Development Block Grant-Disaster Recovery (CDBG-DR) [HUD, GLO]	
Cooperating Technical Partners Program (CTP) [FEMA, TWDB]	
Cooperating Technical Partners Program (CTP) [FEMA directly]	
Flood Mitigation Assistance (FMA) [FEMA, TWDB]	
Flood Protection Planning Grant [TWDB]	
Hazard Mitigation Grant Program (HMGP) [FEMA, TDEM]	
Pre-Disaster Mitigation (PDM) [FEMA, TDEM]	
Public Assistance [FEMA, TDEM]	
Texas Commission on Environmental Quality [TCEQ]	
Texas Department of Transportation [TXDOT]	
Texas State Soil and Water Conservation Board [TSSWCB]	
Texas Water Development Fund (DFund) [TWDB]	
U.S. Army Corps of Engineers Small Continuing Authorities Program (USACE CAP)	
U.S. Army Corps of Engineers Specific Authorized Programs	
U.S. Department of Agriculture - Natural Resources Conservation Service (NRCS)	
Other 1	
Other 2	
Other 3	

18. What is the total estimated dollar amount (in 2017 dollars) needed in your jurisdiction from present day to 2028 (next 10 years) to implement your planned (or anticipated) flood mitigation activities?

Enter amount needed for 2018-2028



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19. Approximately what percentage of the amount identified in question 18 would be directed at each of the flood mitigation activities below? Please enter “0” if no portion will go to that activity and use the “Other” options below if needed.

**Flood Mitigation Activities**

**Percentage of Amount Needed (2018 – 2028)**

Levees, flood walls, or related infrastructure

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Regional detention and/or retention basins

--

Local drainage infrastructure

--

Roadway crossings (bridges, culverts, and pipes)

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Property buyouts or relocations

--

Other 1 [please include description of activity and percent]:

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Other 2 [please include description of activity and percent]:

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Other 3 [please include description of activity and percent]:

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20. Survey 1 results indicated frustration with flood-related mitigation funding sources at both the state and federal level. Aside from increasing available funding amounts and subsidies, what do you think could be done to facilitate implementation of your flood mitigation activities more efficiently?

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21. Survey 1 results indicated strong interest in watershed-level coordination of flood mitigation project planning.

If you concur, what do you think would be the most appropriate size or scale of the watershed for a regional approach for your jurisdiction? How should that coordination be facilitated?

If you disagree with that perspective, leave blank and skip to question 22.

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22. If you are not interested in watershed-level coordination as described in question 21, what kind of regional coordination, if any, would work within your jurisdiction? How should that coordination be facilitated?

If you provided input on question 21, please leave blank and skip to question 23.

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23. Proper floodplain management reduces the need for flood mitigation projects. What does *proper floodplain management* mean to you?

24. Would you like the state to incentivize the creation and enforcement of floodplain ordinances outside FEMA's designated Special Flood Hazard Area? If so, what are your suggestions for how this type of program should work? If not, why not?

25. If the state were to provide financial assistance for flood mitigation activities, which factors should be given highest consideration in evaluating applications for assistance? Please select your top five priority considerations. Note: these are not all inclusive.

- Coastal area
- Cost-benefit ratio of project
- Disadvantaged community status
- Dollar amount of prior flood losses in project area
- Flash flood potential of project area
- Frequency of flooding
- Local in-kind or cash contribution
- Local resources for ongoing operations and maintenance costs
- Low installed annual cost per person benefitting
- Low installed capital cost per person benefitting
- Number of non-mitigated NFIP Repetitive or Severe Repetitive Loss Properties (RLP or SRLP) in project area
- Number of years to complete the full project
- Percent of cost share available
- Percent of project that could be completed based on funding request
- Population directly benefitting from project
- Project can be phased
- Project or strategy previously identified in local flood plan
- Project related to a recommended strategy in the state water plan or regional water plan
- Readiness to proceed with construction or project implementation
- Regionalization/Multiple participating jurisdictions
- Regulation of development in the floodplain/Regulation of development in floodplain that exceeds NFIP minimum standards
- Rural community participation
- Other [please specify below]

Thank you very much for taking the time to complete this second survey. Your input is key to the success of the State Flood Assessment, and we sincerely appreciate it. Be sure to click on "Done" below to close out the survey, and thanks!