



## Pennsylvania Flood Hazard Mapping Needs Assessment Survey

This assessment survey will assist Pennsylvania Emergency Management Agency (PEMA) and Department of Community and Economic Development (DCED) in identifying flood hazard mapping needs in your community. Instead of sending out 2,500 individual surveys to all NFIP participating communities we are asking for your participation in this county-wide survey.

Currently the Federal Emergency Management Agency (FEMA) uses its Coordinated Needs Management Strategy (CNMS - <https://www.fema.gov/coordinated-needs-management-strategy>) to prioritize mapping needs. These needs are based on the age of flood maps/studies, changes/additions to flooding sources, population, development and growth, benefit, and cost. The Commonwealth is now trying to determine if this mapping process still meets your needs. The average age of flood maps in Pennsylvania is eight (8) years old with some being older.

The information you provide is critical to reducing the Commonwealth's flood risk. Flood Insurance Rate Maps (FIRMs) are used in your community to identify flood risk of individual properties to determine development requirements, and they contribute to the cost of flood insurance policies, so it is important to ensure we have accurate data. This information will be used by the Commonwealth to make recommendations to FEMA for updates to FIRMs for all Pennsylvania communities through its Cooperating Technical Partner (CTP) agreement.

PEMA is looking for your TOP 5 areas that have frequent flooding to share with FEMA for possible mapping review over the next five (5) years.

Please use our Survey Monkey (<https://www.surveymonkey.com>) for your primary area/source of flooding concern. For all other areas/sources of flooding concern please use the attached survey. If you are providing information on more than one flooding source, please complete a separate copy of Part C (pages 5-11) for each flooding source.

**Note:** If your community has recently gone through, or is currently going through, a map update (FEMA, US Army Corps of Engineers, etc.) you do not need to include these source areas on this survey.

Please complete and submit this survey by **October 1, 2020**.

Surveys can be submitted using one of the following methods:

1) Complete the Survey Monkey At: [www.surveymonkey.com/r/7F97C5G](http://www.surveymonkey.com/r/7F97C5G)

or

2) Scan and Email to [RA-EMFLOODPLAINMGTIN@pa.gov](mailto:RA-EMFLOODPLAINMGTIN@pa.gov)

or

3) Forward your completed survey by FAX to (717) 651-2150

For technical questions please contact Bill Bradfield, NFIP Program Manager at (717) 651-2141 or email [wbradfield@pa.gov](mailto:wbradfield@pa.gov).

If you have any difficulty with your county's submission please contact Isabella Duffy at (717) 651-2168 or e-mail [iduffy@pa.gov](mailto:iduffy@pa.gov).

**Thank you.**

**Part A. Contact Information**

Date: \_\_\_\_\_

Entity filling out survey:     County Planning                       County EMA  
    County Conservation District     Collaborative effort

Preferred Salutation: \_\_Ms.    \_\_Mrs.    \_\_Mr.    \_\_Dr.    \_\_None

First Name: \_\_\_\_\_                      Last Name: \_\_\_\_\_

Preferred Suffix: \_\_None    \_\_Sr.    \_\_Jr.    \_\_III    \_\_Esq.    \_\_PE    \_\_PLS    \_\_AICP  
   \_\_CFM    \_\_CEM

Title: \_\_\_\_\_

Organization Name: \_\_\_\_\_

Department or Unit: \_\_\_\_\_

Building Name/Mail Stop: \_\_\_\_\_

Street Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_                      Zip Code: \_\_\_\_\_

Telephone Number: \_\_\_\_\_                      FAX Number: \_\_\_\_\_

Email: \_\_\_\_\_

Organization Web Page URL: \_\_\_\_\_

May the person listed above be contacted to further discuss information contained in this form?

Yes                       No

**Part B. General Community Information**

Organization Name: \_\_\_\_\_

Community Identification (CID) Number (<https://www.fema.gov/cis/PA.pdf>): \_\_\_\_\_

Effective Date(s) of County NFIP Flood Maps:

From: \_\_\_\_\_ To: \_\_\_\_\_

County Land Area: \_\_\_\_\_ sq. miles

Population: \_\_\_\_\_

Is your County, or any communities that you are aware of, planning any mapping or floodplain mapping updates within the next three years?

Yes       No       Don't Know

Summarize below anything the Commonwealth of Pennsylvania can do for you related to flooding or stormwater management problems as identified on your community's current flood maps or flood insurance study.

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**Part C. Flood Source Data Updates**

Flooding Source Name (please complete a separate copy of Part C for each flooding source):

\_\_\_\_\_

Estimated damages from this flooding source (in dollars): \_\_\_\_\_

Estimated economic impact to community from this flooding source (in dollars per event and cumulative): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

List DFIRM panel number(s) this source is located on: (e.g. 42109C0165D): \_\_\_\_\_

\_\_\_\_\_

Current flood zone designation on DFIRM? \_\_\_\_\_

How many miles of the watercourse need updating? \_\_\_\_\_

Approximately how many structures are in the floodplain of this flooding source? \_\_\_\_\_

\_\_\_\_\_

Don't Know

Please identify the type of structures affected by this flooding source:

Business       Primary Residential       Secondary residential

Rental Property       Mixed Use       Natural/Cultural Monuments

Agricultural       Municipal/State/Federally Owned

How many new structures are built in the floodplain each year?

\_\_\_\_\_

Don't Know

If Base Flood Elevations (BFEs) are currently shown for this source, would updated information cause BFEs to change? (increase or decrease)

Yes-Increase

Yes-Decrease

No

Don't Know



## Changes in Flood Data

Below are possible indicators of the need to update your community's maps. Please check those that apply to this flooding source and complete the corresponding section below.

1. Development near Special Flood Hazard Area ("SFHA", also referred to as the "100-year" floodplain). Includes:
- Zone A (unstudied),
  - Zone AE (studied with/without floodway),
  - Zone AO (sheet flow),
  - Zone AH (ponding),
  - Zone D (possible but undetermined hazard)
  - Zone V (coastal - unstudied with velocity wave action)
  - Zone VE (coastal - studied with velocity wave action)
  - and/or Unmapped Flood-prone Areas
2. Recent flooding event contradicts maps
3. Significant development throughout watershed
4. New or modified flood control structures (e.g., dams, levees)
5. New or replacement bridges, culverts, road crossings, channelization
6. Changes in stream location or size
7. Existing Engineering Data
8. Other changes \_\_\_\_\_

### 1. Development Near Zone A, AE, AO, AH, D, VE and/or Unmapped Flood-prone Areas

How much area is designated as Zone A for this flooding source?

\_\_\_\_\_ Acres

Don't Know

Has development occurred in or around Zone A or unmapped flood-prone areas?

Yes

No

Is development proposed to occur in or around Zone A or unmapped flood-prone areas?

Yes

No

If yes, how would you describe this development?

Low

Moderate

High

Don't Know

Include a description of the type, density, and location of the existing and/or proposed development, as well as additional comments, explanation, and data available:

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## 2. Recent Flooding Event Contradicts Maps

Have there been any significant flooding events along this flooding source in your community, approximately equal to the 1% annual chance (100-year) event?

Yes                       No                       Don't Know

If yes, how did this flooding event compare with the 100-year floodplain boundary on the FIRM?

Poor                       Good

Has there been any repeated flooding of areas outside the 100-year floodplain (i.e., in Zone X, B, or C)?

Yes                       No                       Don't Know

Comments/Explanation/Data Available:

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## 3. Significant Development Throughout Watershed

Do you believe the hydrologic analysis used in the effective FIS and FIRM for this flooding source in your community does not reflect significant development in the watershed or is outdated?

Yes                       No                       Don't Know

If yes, why?

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**4. New or Modified Flood Control Structures (e.g., dams, levees)**

Have any flood control structures been constructed in this flood source's watershed upstream of your community since the effective FIRM was published, or were any omitted from the FIRM?

Yes                       No                       Don't Know

If yes, what kind of flood control structures are they?

Manmade reservoirs, lakes, ponds, dams  
 Levees, berms, dikes                       Channels

Was a Letter of Map Revision (LOMR) submitted to FEMA for this structure(s)?

Yes                       No                       Don't Know

Has there been any change in the operating status of any existing flood control structures?

Yes                       No                       Don't Know

If yes, will these changes impact the 100-year flood discharge?

Yes                       No                       Don't Know

Comments/Explanation/Data Available:

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**5. New or Replacement Bridges, Culverts, Road Crossings, Channelization**

Have any new bridges, culverts, or road crossings been constructed across this flooding source since the effective FIRM was published?

- Yes                       No                       Don't Know

Was a Letter of Map Revision (LOMR) submitted to FEMA for this structure(s)?

- Yes                       No                       Don't Know

If yes, is information regarding the size and location of the structure readily available?

- Yes                       No                       Don't Know

Comments/Explanation/Data Available:

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**6. Changes in Stream Location or Size**

Have there been any significant changes in the stream channel location or size for this flooding source since the effective FIRM was published?

- Yes                       No                       Don't Know

If yes, what caused this change?

- Natural stream migration     Channelization  
 Other                               Dredging/widening/filling  
 Don't Know

Have there been any significant changes in the vegetation along the stream banks or floodplain?

- Yes                       No                       Don't Know

If yes, has the vegetation increased or decreased?

Increased       Decreased

Comments Explanation/Data Available:

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### 7. Existing Engineering Data

Are you aware of any existing engineering surveys or other technical data that you would be willing to share?

- Surveyed Cross-Sections     As-built Surveys (Channels/Culverts)     LiDAR
- Topographic Surveys     Hydraulic Engineering Studies (HEC-RAS, etc.)
- Other studies: \_\_\_\_\_

Comments/Explanation/Data Available:

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## Community Recommendations

Based on the previous indicators and the current zone designation on the FIRM, mapping options exist when your community's FIRM is updated. Please indicate below your recommendation for this flooding source.

### Currently Unmapped (Zone X or C)

- No change
- New approximate mapping
- New detail mapping

### Approximate Mapping (Currently Zone A, D, or V)

- No change
- New approximate mapping
- New detail mapping

### Detailed Mapping (Currently AE, AH, AO, VE, X (shaded))

- No change
- New approximate mapping
- New detail mapping

**THANK YOU for taking the time to complete this survey!**

**Please Scan and Email your survey to [RA-EMFLOODPLAINMGTIN@pa.gov](mailto:RA-EMFLOODPLAINMGTIN@pa.gov)**

Or

**FAX to 717-651-2150**

For Questions or Problems while FAXing this form, you can call 717-651-2168 or Email Isabella Duffy at [iduffy@pa.gov](mailto:iduffy@pa.gov)

Or, you can call Bill Bradfield at 717-651-2141, or Email [wbradfield@pa.gov](mailto:wbradfield@pa.gov)

**Please KEEP A COPY of the completed forms in the event that a follow-up is required, or the forms do not FAX properly.**