Cooperating Technical Partners
FEMA Risk Mapping, Assessment and Planning (Risk MAP) program

- The Discovery Process
- Mapping and Data
- Preliminary FIRM Issuance
- Risk Assessment
- Effective FIRM and FIS Report Issuance
- Planning for Mitigation Action
Current Projects

- Peoria Countywide DFIRM (ISWS13-05)
- Forked Creek, Kankakee County PMR (ISWS13-11)
- Will Countywide DFIRM (ISWS15-06)
- Turtle Creek, South Beloit (ISWS15-04)
- Spring Creek, Cook County (ISWS15-05)
- Poplar Creek, Cook County (ISWS15-05)
- Nippersink Creek (IDNR-ISWS15-01)
Current Projects

• Poplar Creek Risk Assessment (IDNR-ISWS15-03)
• DuPage Countywide DFIRM (ISWS16-02)
• Mill and Tinley Creeks, Cook County PMR (ISWS16-03)
• Ford County Data Development (ISWS16-04)
• Warren County Data Development (ISWS16-05)
• Kishwaukee Watershed Discovery (ISWS17-02)
• Little Wabash Watershed Data Development (ISWS17-03)
• Effingham County Data Development (ISWS17-03)
Current Projects

• Clay County Data Development (ISWS17-03)
• Glen Flora, Bull Creek, Dead Dog, Mill Creeks – Lake County PMR (ISWS17-04)
• Lower Rock River Watershed Data Development (ISWS17-09)
• Kankakee County PMR (ISWS17-10)
The Discovery Process

In Discovery, FEMA, state, and local leaders collect current and historic-flood related data including:

- Hydrology
- Infrastructure
- Hydraulics
- Land use
- Existing maps such as:
The Discovery Process

• Kishwaukee HUC8 Discovery (ISWS17-02)
• 505 miles of Large Scale Automated Engineering
• Projected Completion Date: June 2019
The Discovery Process

• Peoria County re-Discovery (ISWS17-02)
• Projected Completion Date: Spring 2019
Mapping And Data

• Data and Product Development
  • Hydrology & Hydraulic Models
  • Workmaps
• Flood Risk Review Meeting
Mapping And Data

- **Little Wabash Watershed (ISWS17-03)**
- 77 miles of Zone AE
- 175 miles of Enhanced Zone A
- 929 miles of Zone A
- Projected Completion Date: August 2020
Mapping And Data

- **Turtle Creek** (ISWS17-05)
- South Beloit
- 1 mile of Zone AE
- Projected Completion Date: July 2019
• **Rock River and Tributaries (ISWS17-06)**
• 5 miles of Zone AE
• 78 miles Floodway
• 192 miles Zone A
• Projected Completion Date: August 2020
Mapping And Data

• **Nippersink Creek** (IDNR-ISWS15-01)
• 10 miles of Zone AE
• Projected Completion Date: August 2018
Mapping And Data

- **Ford County** (ISWS16-04)
- 117 miles of Zone A
- Projected Completion Date: Spring 2018
Mapping And Data

- **Warren County** (ISWS16-05)
- 225 miles of Zone A
- 2.6 miles of Zone AE (redelineated)
- Projected Completion Date: Spring 2018
Mapping And Data

• **Poplar Creek** (ISWS15-05)
  • 40.7 miles Zone AE
• **Spring Creek** (ISWS15-05)
  • 17.6 miles Zone AE
• Projected Completion Date: Summer 2018
Risk Assessment
Risk Assessment

- **Poplar Creek** (IDNR-ISWS15-03)
- Community Engagement and Risk Communication (CERC) activity
- portions of Elgin, Hoffman Estates, Schaumburg, South Barrington, Streamwood, and Unincorporated Cook County communities
- 500 floodprone structures
10% Annual Chance Depth Grid
4% Annual Chance Depth Grid
2% Annual Chance Depth Grid
1% Annual Chance Depth Grid
0.2% Annual Chance Depth Grid
Prelim/Final FIRM Issuance
Bull Creek, Glen Flora, Dead Dog, Mill Creek
Lake County PMR Project Timeline

- Preliminary products for the 4 studies currently included in the PMR ready for FEMA review
  - August 2018

- FEMA decision **to include or not to include** Lake Michigan Coastal Study panels in this PMR
  - September 2018

- If yes, Preliminary products will not be released until the coastal data is incorporated
  - Date TBD

- If no, Preliminary products will be released approximately
  - October/November 2018
Will Countywide FIRM Project Timeline

- Revised Preliminary Maps Released
  - February 1, 2017
- CCO Meeting / Public Open House
  - April 27, 2017
- 30 Day Comment Period
  - April 27, 2017 – May 26, 2017
- 90 Day Appeal Period
  - December 12, 2017– March 15, 2018
- Resolve Comments & Appeals
  - Estimated Spring 2018
- Finalize Map Panels & FIS Report
  - Estimated Summer 2018
- FEMA issues Letter of Final Determination
  - Estimated August 2018
- Maps Effective
  - Estimated February 2019
Forked Creek Watershed PMR Project Timeline
Kankakee County

- Preliminary Maps Released: February 1, 2017
- CCO Meeting / Public Open House: April 12, 2017
- 30 Day Comment Period: April 12, 2017 – May 11, 2017
- 90 Day Appeal Period: December 12, 2017 – March 13, 2018
- Resolve Comments & Appeals: Estimated Spring 2018
- Finalize Map Panels & FIS Report: Estimated Summer 2018
- FEMA issues Letter of Final Determination: Estimated August 2018
- Maps Effective: Estimated February 2019
DuPage Countywide FIRM Project Timeline

- Revised Preliminary Maps Released: June 1, 2017
- CCO Meeting / Public Open House: July 27, 2017
- 90 Day Appeal Period: February 28, 2018 – May 31, 2018
- Resolve Comments & Appeals: Estimated Summer 2018
- Finalize Map Panels & FIS Report: Estimated Fall 2018
- FEMA issues Letter of Final Determination: Estimated December 2018
- Maps Effective: Estimated June 2019
Mill and Tinley Creek Watersheds PMR Timeline
Cook County

- Preliminary Maps Released: October 12, 2017
- CCO Meeting / Public Open House: January 23, 2018
- 30 Day Comment Period: January 23, 2018 – February 21, 2018
- 90 Day Appeal Period: Estimated July – September 2018
- Resolve Comments & Appeals: Estimated October 2018
- Finalize Map Panels & FIS Report: Estimated October 2018
- FEMA issues Letter of Final Determination: Estimated January 2019
- Maps Effective: Estimated June 2019
Detailed Hydrologic and Hydraulic Modeling
Watershed Scale Flood Risk Modeling
FEMA Physical Map Revisions
Illinois MT-2 Review
Thank You

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Flood Risk Assessment Data on the Web
Flood Risk Assessment Data on the Web
Flood Forecast Inundation Modeling
Illinois MT-2 Review
Future Conditions Rainfall Analysis
FEMA
Physical
Map
Revisions
NOW HIRING

- Hydraulic/Hydrologic Engineer
- Staff Engineer