



THE IAFSM CURRENT

Illinois Association for Floodplain and Stormwater Management

Winter 2020 Newsletter

New Updates to Illinois State Water Survey 'Bulletin 70'

~Glenn Heistand, P.E., CFM, Illinois State Water Survey

The Illinois State Water Survey recently published additional "Part 2" updates to Rainfall Distributions and Hydroclimatic Characteristics of Heavy Rainstorms in Illinois (Bulletin 70), which has been a fundamental component of Illinois water resource studies and design projects for the past 30 years.

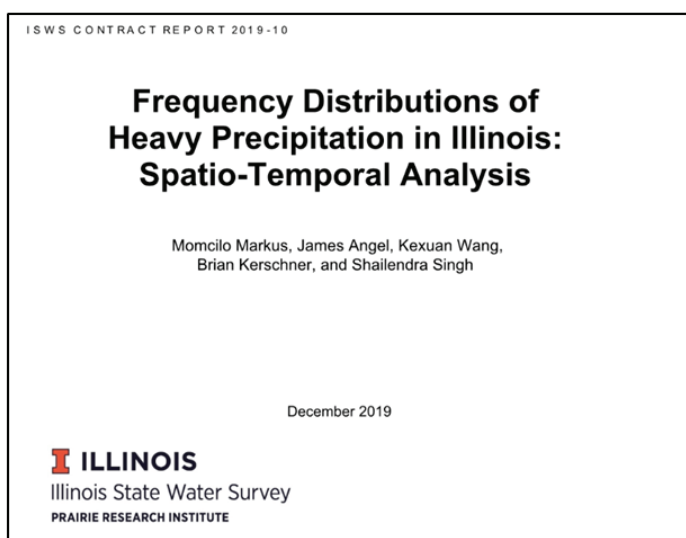
Frequency Distributions of Heavy Precipitation in Illinois: Updated Bulletin 70 was released in March 2019. The study was designed to update the 1989 study, evaluating rainfall frequency relations in Illinois using current precipitation datasets. The study was presented at our Annual Conference and described in our Spring 2019 newsletter.

Frequency Distributions of Heavy Precipitation in Illinois: Spatio-Temporal Analysis was released in December 2019. This "Part 2" of the updated Bulletin 70 expands on the March release to include:

- Adjustments to the time distributions of heavy rainfall (Huff Curves);
- Consideration of Areal Reduction Factors;
- Expanding on non-stationarity of the rainfall record and the associated adjustment methodology;
- Rainfall depths for sub-hourly durations and sub-2-year recurrence intervals.

These two reports, which update the methodology and design values from Bulletin 70, were funded by the Illinois Department of Commerce and Economic Opportunity. They can be found at <http://hdl.handle.net/2142/103172> and <http://hdl.handle.net/2142/106006> respectively.

These two reports will be combined into a single document which is expected to be released in early 2020 as Illinois State Water Survey Bulletin 75.



Inside This Issue

New Updates to Illinois State Water Survey 'Bulletin 70'..	Page 1
Opportunities to Add Monarch Habitat to Flood Mitigation Property.....	Page 2
Hazard Mitigation Grant Program (HMGP) Funds available.....	Page 2
IAFSM Logo Contest - Win \$200 - Deadline Extended...	Page 3
Join us for the 2020 IAFSM Conference	Page 4
From the Chair: IAFSM Membership Benefits	Page 5

Congrats to our New CFMs!	Page 6
Young Professionals Group Events.....	Page 7
What Training Should IAFSM Offer?.....	Page 7
CEC Education & Training Opportunities	Page 8
IAFSM on Social Media.....	Page 9
Important Stuff We Tell You in Every Newsletter	Page 10
IAFSM Officers & Committee Chairs.....	Page 11

Opportunities to Add Monarch Habitat to Flood Mitigation Property

~Bridget Henning, IDNR Division of Natural Heritage

Scientists estimate it takes 29 milkweed stems to produce a single monarch overwintering in Mexico. That means huge numbers of milkweed are needed to sustain the drastically declining population—approximately 3.6 billion milkweed stems, to be precise, more than twice what we currently have.

To do our part, Illinois is aiming to add 150 million milkweed stems and associated nectar plants to the state by 2038. This will require all-hands-on-deck!

Can your flood mitigation property, stormwater detention basin, or rain garden play a role? There are ongoing programs that provide resources to landowners interested in establishing pollinator habitat. Best of all seeds and seedlings may be obtained free of charge! Here are a few opportunities to support the creation of pollinator habitat.

Project Wingspan is working with IDNR's Mason State Nursery to provide milkweed and nectar plants for enhancing pollinator habitat on public or private land. For more information see: <https://www.pollinator.org/wingspan/survey>

Monarch Watch is providing milkweed plugs for habitat restoration projects on properties at least two acres in size. For more information see: <https://monarchwatch.org/bring-back-the-monarchs/milkweed/free-milkweeds-for-restoration-projects/>

Illinois Clean Energy is providing grants to local governments for converting turf to pollinator habitat. <https://www.illinoiscleanenergy.org/natural-areas-program/pollinator-meadows-pilot-program>



Hazard Mitigation Grant Program (HMGP) Funds available

In the aftermath of a Presidentially Declared Disaster, FEMA allocates 15% of the funds spent on disaster assistance to be used for mitigation. The major flooding on the Mississippi and Illinois Rivers this year resulted in a Public Assistance declaration, FEMA 4461, on September 19th, 2019. The current estimate for mitigation funds is \$6.7 million.

IEMA has established a submittal deadline of February 7th, 2020 for the pre-applications for Hazard Mitigation Grant Program (HMGP) funds. The announcement of selected preapplications will be March 23rd and final applications will be due June 1st, 2020.

The HMGP funds are available to any jurisdiction statewide that is in good standing in the National Flood Insurance Program (NFIP) and has a FEMA approved and adopted all-hazards mitigation plan. This plan can be approved up to the award date.

Sam Al-Basha, sam.m.al-basha@illinois.gov is the State Hazard Mitigation Officer at IEMA and can answer any questions about the application process. Application assistance is also available online at: http://public.iema.state.il.us/webdocs/mitigation/mitigationappchecklist/IL_ACQ_application_checklist.pdf

IAFSM Logo Contest – Win \$200 – Deadline Extended



In 2007, a member contest was held to develop the current IAFSM logo. That logo is now 12 years old.

The Board of Directors has announced a contest to design a new logo that is more appropriate for the digital age. We are offering a \$200 Amazon

Gift Card for the winner of the design contest. Consider inviting your colleagues in marketing or communications to collaborate with you on a logo design!

Here are the rules:

1. The logo should illustrate the objectives of the Association: [to promote the common interest in floodplain and stormwater management; enhance cooperation among various local, state and federal agencies; and encourage effective and innovated approaches to managing the State's floodplain and stormwater management systems.](#)
2. The logo must be no larger than one-inch high and two-inches wide. It is intended to be on our letterhead, website, newsletter, etc.

3. The logo must be reproducible in black and white or color.
4. Multiple entries may be submitted.
5. Logos must be submitted to the IAFSM Executive Secretary, Sarah Harbaugh, by January 24th, 2020. Send via email to IAFSM@IllinoisFloods.org.
6. All submittals will become the property of IAFSM.
7. IAFSM reserves the right to modify the winning submittal, create a new logo using elements of various submittals and/or preserve the current logo for future use.

A Board committee will review the submittals and pick the top four or five. These will be on a ballot in the conference packet during our Annual Conference in March of 2020. All conference participants will be asked to vote for one of the top submittals. The creator of the winning logo will receive a \$200 gift card to Amazon. The selection of final logo for use by IAFSM will be determined by the Board of Directors.



Join us for the 2020 IAFSM Conference

The IAFSM conference will take place on Wednesday and Thursday, March 11th - 12th, 2020 at the Tinley Park Convention Center - Holiday Inn Tinley Park in Tinley Park, Illinois and may include a pre-conference workshop on March 10th. A CFM exam will be offered the night before the conference on March 10th, 2020.

Conference Registration

Conference registration is now open! A full flyer including the workshop topics will be distributed to members via email and displayed on our webpage, in January. To register: <https://www.illinoisfloods.org/event/3/14/2020-iafsm-conference>

Exhibitors

Companies and organizations are invited to exhibit their products, services and activities all day Wednesday and through the Wednesday evening social hour. For more information please visit: https://www.illinoisfloods.org/content/documents/2020_exhibitor_flyer.pdf

Sponsors

We invite you to be a sponsor for the annual conference or donate a door prize. All sponsors will be identified in the conference program, at plenary sessions and during the awards luncheon along with newsletter advertising benefits. For a complete listing of Sponsor benefits please visit: https://www.illinoisfloods.org/content/documents/2020_iafsm_sponsorship_flyer.pdf

Lodging

A special conference rate of \$135 plus tax, for a standard room, per night, has been established at the Holiday Inn. A limited number of rooms are available at the prevailing state government rate with proper government identification. Please call the Holiday Inn directly to reserve the state government rate. Reserve your room by calling the Holiday Inn front desk at (708) 444.1100 and tell them you are with the Illinois Association for Floodplain and Stormwater Management conference or follow this link: <https://www.holidayinn.com/redirect?path=hd&brandCode=HI&localeCode=en®ionCode=1&hotelCode=CHITN&PMID=99801505&GPC=IFS&cn=no&viewfullsite=true>

The hotel's reservation deadline for this rate is February 18th.

Mobile App

The CrowdCompass mobile app will be used again this year, providing smart content and increased engagement opportunities to enhance your conference experience. The event URL and the app download URL will be provided before the conference.

For More Information

For more information visit <https://www.illinoisfloods.org/conferences-workshops/iafsm-annual-conference> or contact Steve Altman, conference Chair at Steve.Altman@illinois.gov, or Sarah Harbaugh, Executive Secretary at iafsm@illinoisfloods.org.



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From the Chair: IAFSM Membership Benefits

-Erik Gil, P.E., CFM, Christopher B. Burke Engineering, Ltd.

Happy New Year! As we begin another decade, almost all of us will need to start using the new Bulletin 70 rainfall depths for design and analysis. During our upcoming conference, we will share the follow-up study to last year's presentation. Please look for information regarding that presentation in the forthcoming conference program flyer and refer to the lead article in this newsletter for additional information.

As we kick off a new year, we want to review some of the benefits of being an IAFSM member and attending our annual conference. IAFSM Membership has its benefits, but we don't issue credit cards.

Membership benefits include:

- **This newsletter**, which is prepared quarterly. While many of our articles are written by present and past Board members, we always welcome articles of interest by any of our membership.
- **Education and training opportunities**, such as those organized by various committee chairs such as the Stormwater Committee or the Education and Outreach Committee.
- **Committee events**, such as the Younger Professionals Group outings sponsored by the YP Committee, or the CRS Users' Group meetings. We have fourteen committees within our organization, comprising every subject under our overarching "floodplain and stormwater" name. These committees and their Chairs are listed on the last page of every newsletter, with lots of activity happening under each committee. The committee chairs welcome involvement from our members.
- **CFM Certification opportunities**, which is often required for a job, used by many employers as a means of promotion, or distinguishing candidates for a job opening.
- **Volunteer opportunities**, such as participation on the Rapid Assessment Flood Team (RAFT) which deploys to assist communities in need following a damaging storm event.
- **Bimonthly Board meetings** are always open to our members who wish to get more involved. Please give Sarah Harbaugh, our executive secretary, a heads-up if you plan to come so she can make proper venue accommodations.

Probably the greatest benefit of IAFSM membership is our annual conference. Attending the conference offers a multitude of benefits such as:

- **Opportunity to present:** We try to engage as many members as presenters as we can fit into the program, through our abstract request process.
- **Networking:** Perhaps the most significant benefit of attending the conference is networking with your peers and the exchange of ideas that occur from our technical sessions.

This interaction allows for us all to see how others are implementing regulations and applying design techniques to meet them.

- **Timely exchange of new information:** As occurred during last year's conference, those in attendance listened to the first public presentation of the new Bulletin 70 rainfall depths, which will affect everyone in our state.
- **CECs and PDHs:** A great benefit obtained from attending our conference is the PDHs and CECs awarded, which are used by our members for both their CFM requirements and for other professional certifications or licenses, such as the P.E.
- **Equitable PDH cost:** The approximate cost of a conference PDH is \$40, which compares favorably for similar events from other organizations.

We occasionally receive questions about the conference cost. Longtime members may recall that in the 1990s and early 2000s, the cost of the conference was lower than other professional organizations' conferences. About 10 years ago or so, event venues significantly raised costs throughout the state and our lower conference registration fees could not keep up with the cost of hosting a conference. At that time, we looked at other ASFPM Chapters and other similar organizations and adjusted our registration fees accordingly, to allow the registration fee to cover the conference expense while still keeping it below most of the other comparable conferences. Registration fees increased noticeably at that time, over a three to four year period. However, during the last five years or so, conference registration fees have been relatively stable, with an annual increase of \$0, \$5 or \$10. Our organization is financially strong and we plan to remain on this latter path of modest cost increases for the foreseeable future (pending no sudden increases in conference venue cost) as it appears to be sustainable for our membership and our annual budget.

As you know, the preparation for the 2020 conference has been well underway for several months. Steve Altman, our conference chair, will be finishing the main program features in the next couple of weeks. Steve and Sarah Harbaugh will then concentrate their efforts on coordination and planning with the Tinley Park Conference Center.

We hope you will join us in Tinley Park and we hope you continue to enjoy the benefits of being a member. We welcome your suggestions and criticisms. Many of your suggestions provided through the post-conference survey have been implemented in subsequent conferences and we will continue to do so - we like to hear from you and we hope you will continue to respond to our survey.

Congrats to our New CFMs!

Congratulations to everyone who passed the exam and became a Certified Floodplain Manager in the State of Illinois in 2019! The next exam will be offered in March, the evening before our Annual Conference. For more information visit our website: www.illinoisfloods.org

Sonia Almaraz, CDM Smith
Kelsey Andersen, Strand Assoc.
Chad Blackney, Jacobs
Jana Bryant, Village of Lombard
Kevin Dicks, Adams County
Daniel Evans, Millennia Professional Services
Matt Farmer, Village of Northbrook
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Paige Kupfer, Mackie Consultants
Philip Laures, Village of Downers Grove
Weronika Moskal, Civiltech Engineering
Sharon Osterby, Lake County, Illinois
Nicholas Piekarski, Hampton, Lenzini & Renwick
Rachel Schneider, Etscheid, Duttlinger & Assoc.
Jonathan Stelle, City of Elmhurst
Nicholas Stepina, Stantec
Jingyun Sun, Ciorba Group
Chris Tomich, Village of Morton Grove
Alejandro Trujillo, McHenry County
Michal Tutka, USDI Bureau of Land Mgmt.
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Young Professionals Group Events

The IAFSM Young Professionals Group is off to a great start with lots of exciting activities planned for 2020. A preview of activities is below. Keep an eye out for more details and to register for any of our upcoming events.

- MWRD will be hosting the IAFSM YP Group for a tour of the Tunnel and Reservoir Plan (TARP) Main Stream Pumping Station on the afternoon of Friday, February 7th.
- The IAFSM YP Group is planning to host a Young Professionals networking event for conference attendees after the conference happy hour. More details to follow.
- The IAFSM YP Group will be providing limited conference scholarships for university students interested in attending the 2020 Annual IAFSM conference. An application for conference scholarship will be available in early January.
- The IAFSM YP Webinar Series will be starting in early 2020. More information to follow once topics/speakers are confirmed.

The YP group is intended for anyone with less than 15 years of experience in stormwater and floodplain management. Please also share with any interested young professionals in your organization. If you have any questions about the Young Professionals Group or would like to get more involved with planning, contact Adam Blumstein at arblumstein@burnsmcd.com.

What Training Should IAFSM Offer?

Are you in need of training? The Stormwater Management Committee invites you to share your training needs and ideas for seminars and workshops. Some types of training we can provide include:

- General stormwater and floodplain management concepts training,
- Technical training on computer software,
- Guidance reviewing stormwater reports and calculations, or
- Assistance understanding regulations and preparing permit applications.

Courses can be provided as a traditional classroom seminars or webinars.

If you have a need for training let us know. Please contact Shauna Urlacher at Shauna@UrbanHydroEng.com with your ideas. Also, if you have a topic you would like to share with others, we welcome volunteer speakers too.



CEC Education & Training Opportunities

Looking for training opportunities? The following opportunities are coming up in the next few months. If you are looking for credits, be sure to review the material and confirm they meet the appropriate requirements.

IAFSM/ASFPM Sponsored Training Opportunities:

- March 10th – Spring 2020 CFM Exam

Additional Training Opportunities:

EMI provides a wide range of training opportunities and upcoming training. See article in this newsletter!

- EMI courses are free for local and state government employees. Learn more at the EMI website: <http://training.fema.gov/emiacourses/>
Upcoming classes include:
 - E0190 ArcGIS for Emergency Managers – January 13th - 16th, 2020
 - E0272 Core Principles for Hazard Mitigation Floodplain Management Specialists – February 3rd - 5th, 2020
 - E0273 Managing Floodplain Development through the NFIP – May 4th - 7th, 2020
 - NFIP//Community Rating System – February 3rd - 6th & April 20th - 23rd, 2020
 - Retrofitting Floodprone Residential Buildings – May 11th - 14th, 2020

Webinars

ASFPM – <http://www.floods.org/n-calendar/webinars.asp>

- None listed at this time

Conferences

March 10th - 12th IAFSM Annual Conference, Tinley Park, Illinois

June 7th - 11th ASFPM Annual Conference, Fort Worth, Texas

Other training and CEC opportunities can be found on ASFPM's calendar: <http://www.floods.org/n-calendar/calendar.asp?>

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IAFSM on Social Media

Follow IAFSM on Facebook and LinkedIn! You will start to see these pages updated regularly with exciting floodplain and stormwater management related content. Please send any time sensitive announcements or ideas for content to Melissa Duyar at Melissa.Duyar@kimley-horn.com or Sarah Wenzel at SWenzel@prairieengineers.com




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Important Stuff We Tell You in Every Newsletter...

Save the Date! 2020 IAFSM Conference

The 2020 Annual Conference will be March 11th & 12th, 2020 at the Tinley Park Convention Center.

Wanted: Newsletter Ideas and Articles

IAFSM members, this is YOUR newsletter! Email Jennifer Maercklein, editor, at jmaercklein@v3co.com if there are topics that you'd like us to cover. You don't need to write the article - we just want your ideas! If you're gifted with a pen and would like to provide content, we welcome your written contributions as well.

Get Involved with IAFSM!

IAFSM Committee Chairs welcome your help and involvement. See the list of chairs on the last page of this newsletter, or visit the committee webpage to learn more about volunteer opportunities. <http://www.illinoisfloods.org/committees.html>

Borrow our Water Table

IAFSM has five Watershed Tabletop Models available for all members to check out (free of charge) and bring to Public Works Open Houses, Scout meetings, 4-H meetings, school classrooms, etc. This offers a great opportunity to educate about the dangers and impact of unplanned development and human activity in the floodplain. IAFSM currently keeps tables in Springfield, Champaign, Bartlett, Woodridge, and Swansea. Contact Sarah at IAFSM@illinoisfloods.org to make arrangements.

Next Board Meeting

The next IAFSM Board Meeting will be held on Thursday, March 12th at 7:30 am (immediately before the conference.) All members are welcome and encouraged to attend Board meetings. See you there!

Jobmart

Visit our Jobmart at <http://www.illinoisfloods.org/jobmart.html> Jobmart is a free service to members of IAFSM. To post an open position, please sign into our website and complete the job listing form. If you have any questions please contact Sarah at IAFSM@illinoisfloods.org.

2020 CFM Exam Schedule

To view 2020 exam dates and register, visit www.illinoisfloods.org/certification.html. The next exam is scheduled for March 10th in Tinley Park (before the conference).



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THE IAFSM CURRENT

Illinois Association for Floodplain and Stormwater Management

Winter 2020 Newsletter

The IAFSM Newsletter is published quarterly for members of the Illinois Association for Floodplain and Stormwater Management. Information and opinions contained herein do not necessarily reflect the views of all members. Items for publication and other editorial matters should be directed to the editor at jmaercklein@v3co.com.

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