



FPM, IAFSM, & CFM The Beginnings...

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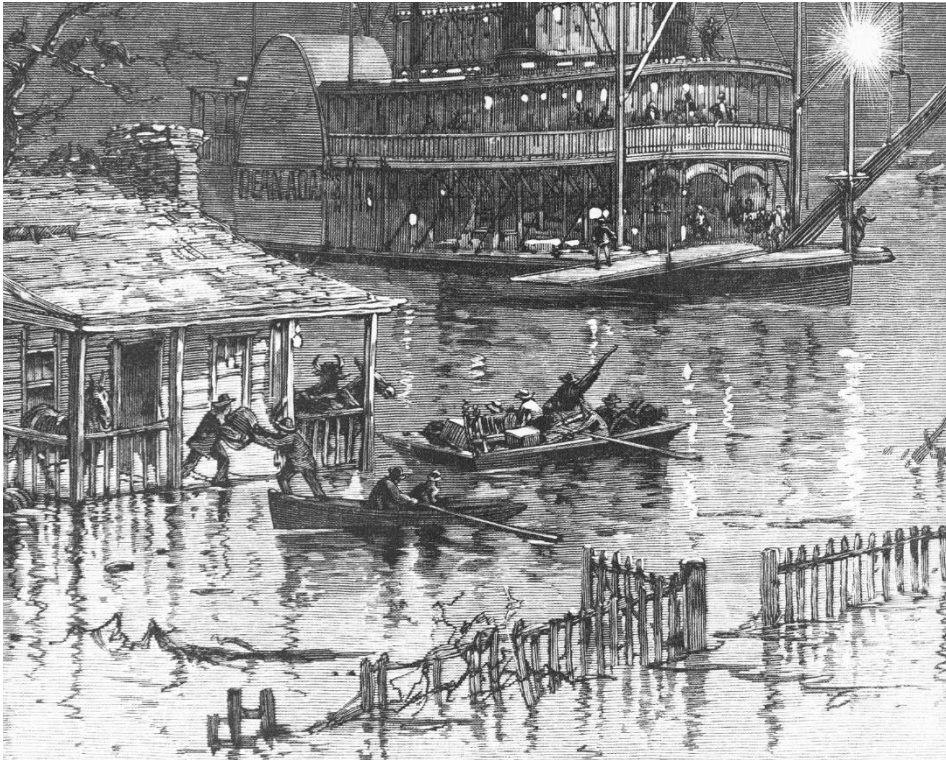
Karen

French





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Response





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Relief

- ✓ Flood insurance attempted by private industry
- ✓ Flood relief up to charities and Red Cross



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Relief

- ✓ 1803 – 1950:
128 separate
Congressional actions
- ✓ 1950 Federal Disaster
Act
- ✓ 1974 Disaster Relief Act
- ✓ 2000 Stafford Act



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Control

- ✓ 1800s – levees
- ✓ 1913 Ohio flooding
→ 1917 Flood Control Act
- ✓ 1927 Mississippi River
→ 1928 Flood Control Act
- ✓ Depression
→ 1933 TVA
→ 1936 Flood Control Act



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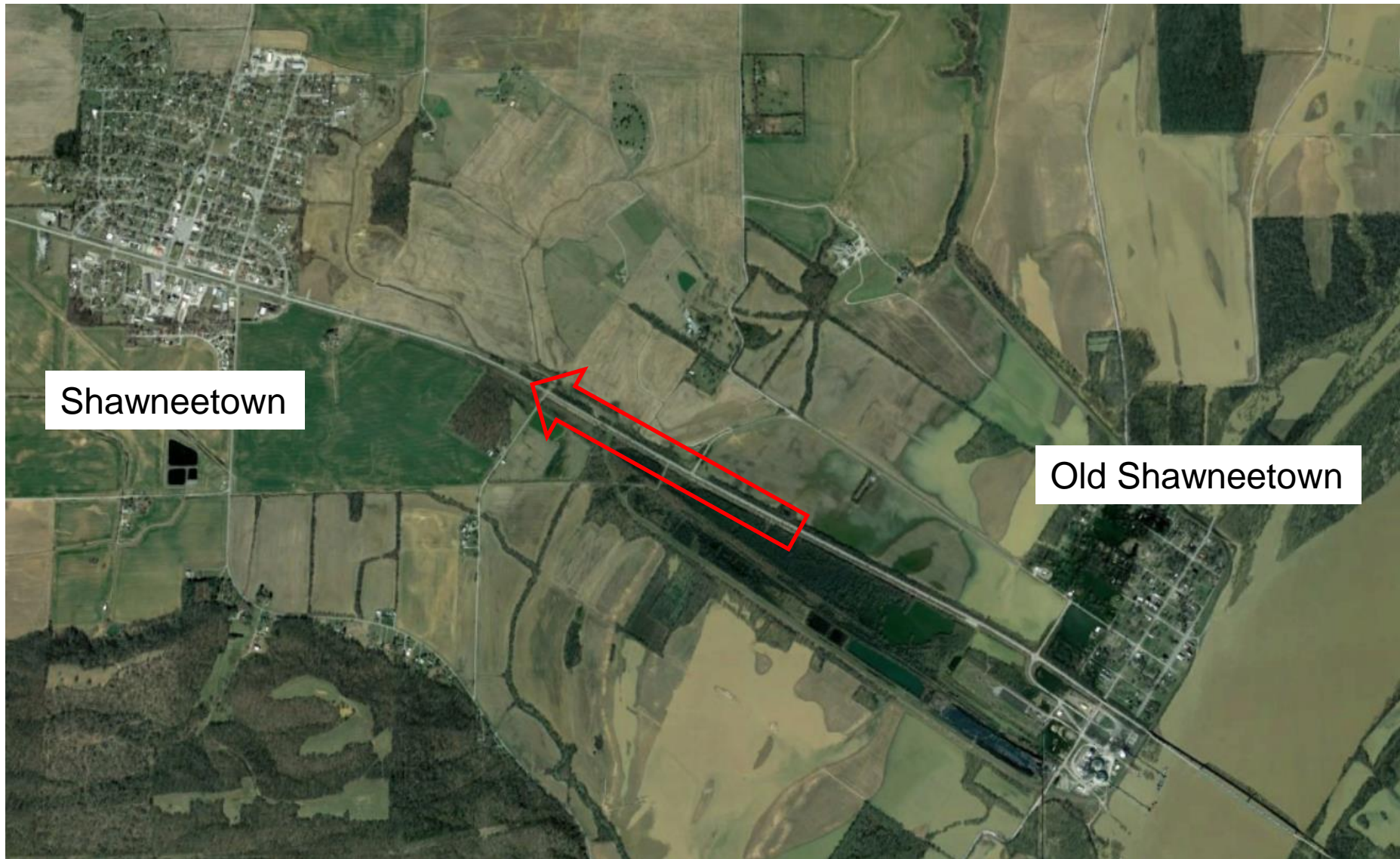
Nonstructural

✓ 1937 Ohio River



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Shawneetown

Old Shawneetown



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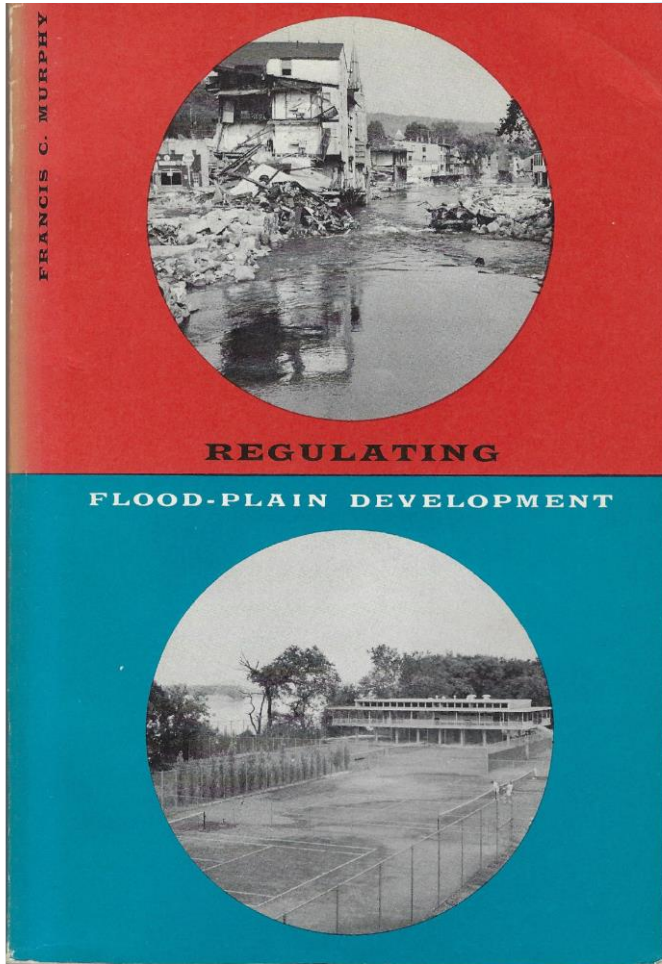
Floodplain Management

- ✓ 1945 *Human Adjustment to Floods*
- ✓ 1951 Kansas City
→ Federal flood insurance program



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Floodplain Management

- ✓ 1950s & 1960s
- ✓ TVA mapping
 - Regional flood
 - Floodway concept
- ✓ Corps of Engineers
 - Debates
 - Research
 - 1958 report
 - FPI Services



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Floodplain Management

- ✓ 1965 Mississippi River → House Document 465
Unified National Program for Managing Flood Losses
- ✓ Environmental movement



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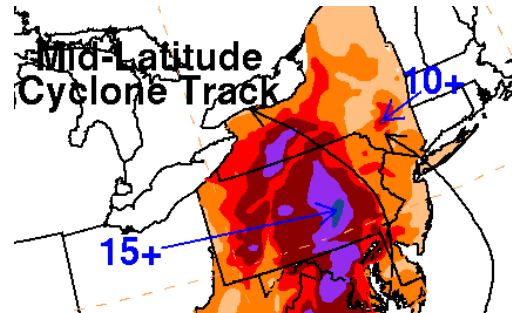
1967 - 1968

- ✓ Urban riots
 - Riot insurance
 - National Flood Insurance Act
 - Federal Insurance Administration
 - Dept. of Housing and Urban Development



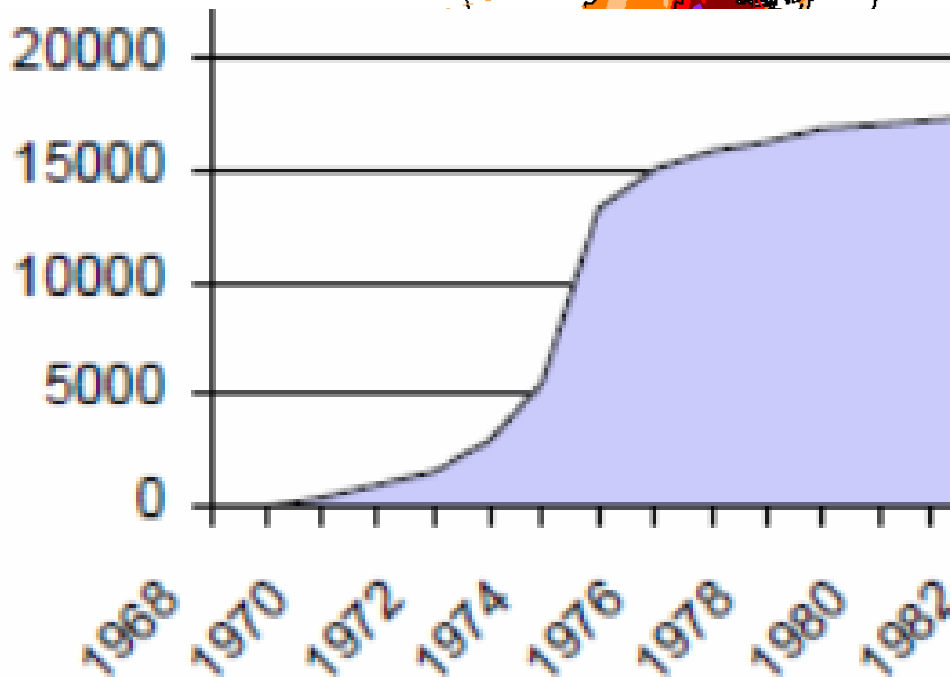
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1972 Hurricane Agnes

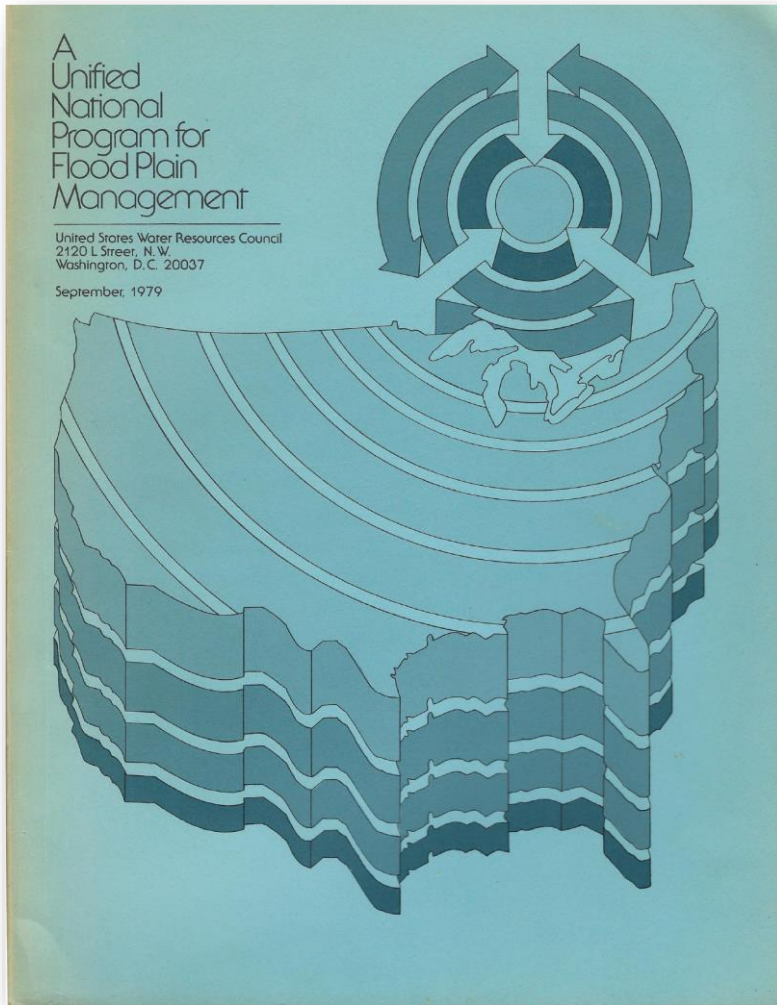
- ✓ Flood insurance available
- ✓ Few had it
 - 1973 Flood Disaster Protection Act
 - Federal \$ in SFHA needs flood insurance





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1976

1. Modify human susceptibility to flood damage
2. Modify the impact of flooding
3. Modify flooding itself
4. Preserve and restore natural resources



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1979

Federal Emergency Management Agency

- ✓ Coordination of Federal response agencies
- ✓ Civil defense activities
- ✓ Federal disaster relief
- ✓ National Flood Insurance Program
- ✓ Unified National Program



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1979

Hurricane Frederick

- ✓ OMB mitigation directive
- ✓ Coordinate interagency funding
- ✓ Post-disaster mitigation plans
- ✓ Floodplain management starts to assume corrective activities



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1993

Midwest Floods

- ✓ Massive use of mitigation grants
- ✓ 1994 – National Flood Insurance Reform Act
 - Tightened insurance purchase requirement
 - Mitigation Assistance Program
 - Mapping Advisory Council
 - Codified CRS
 - Natural functions



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1822 – 1960s

Department of Public Works
Division of Waterways

- ✓ Navigation
- ✓ Flood control
- ✓ Permits for work in public waters

1972

- ✓ Department of Transportation





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1973 Flood

- ✓ Gov's Task Force on Flood Control
- ✓ State NFIP Coordinator
- ✓ Division Director: Dr. Leo Eisel
- ✓ Division of Water Resources





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1976

- ✓ Bureau of Resource Management
 - State floodplain permits
 - Springfield Office
 - Schaumburg Office
 - Local floodplain programs (NFIP)
 - Chicago Office
 - Coastal Zone Management





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1976 – 1986 – State programs

- ✓ PL 566 SCS (NRSC)
- ✓ Philosophy switch from Flood Conveyance/Levees to Flood Storage and Flood Elevation to Reduce Flood Damages
- ✓ State Floodplains Regulations on PL 566 Watersheds and Rock River
- ✓ Manning's Equation to Computer Backwater Models (WSP-2)





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1976 – 1986 – State programs

- ✓ 1976 – State regs on North Branch
- ✓ Expanded to other watersheds
- ✓ Coordination with local permits
- ✓ Coastal Zone Management





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1976 – 1986 – Local Programs

- ✓ Mapping
- ✓ Joining the Regular Program
- ✓ Model ordinance
- ✓ Coordination with State permits
- ✓ Training
- ✓ Enforcement





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1976 – 1986 – ASFPM

- ✓ State programs and standards
- ✓ Mapping concerns
- ✓ 1977: Formally created by 6 states
- ✓ 1979: Invitation to other states
- ✓ 1980: State Assistance Program
- ✓ 1982: Technical & training conference
- ✓ 1982: Executive Director
- ✓ 1982: First state chapter (Arizona)
- ✓ 1985: Washington DC presence





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1986

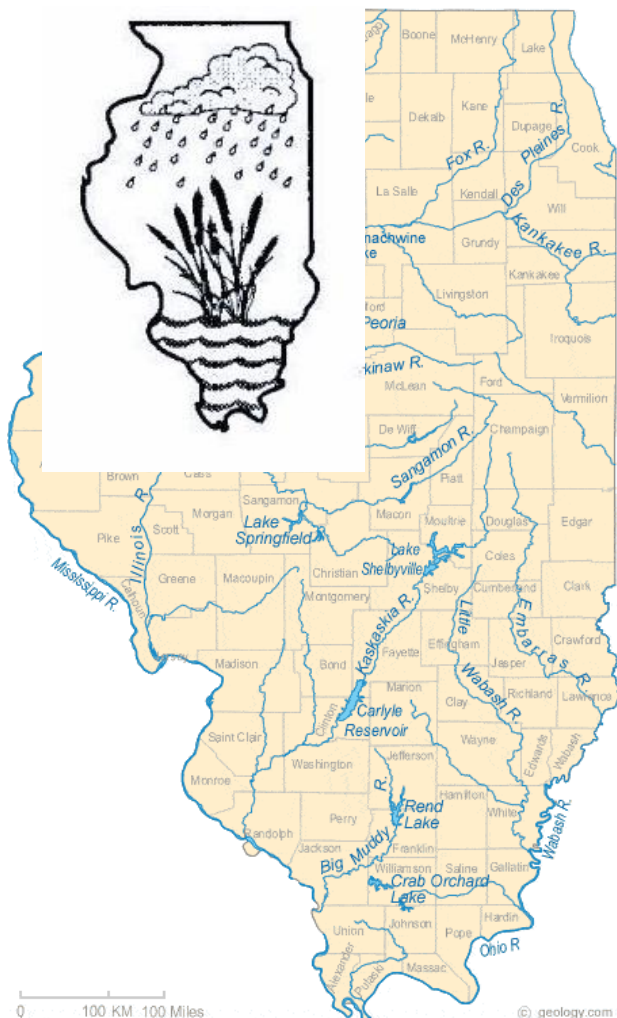
- ✓ Annual flood conference
- ✓ Idea floated of a state association
- ✓ Committee of interested people
- ✓ First Chair: Lou Sidell
- ✓ Keys:
 1. Federal, state, local, private members
 2. Stormwater as important as flood
 3. State-wide but Northeast heavy





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Early Years

- ✓ 1987 – ASFPM Chapter
- ✓ 1988 – Annual conferences started
 - Quarterly newsletters
- ✓ 1989 – Twilight seminars
- ✓ 1991 – Executive Secretary
- ✓ 1996 – High school essay contest
- ✓ 1997 – \$12,000 for open houses
- ✓ 1999 – \$5,000 national challenge
- ✓ 2000 – Home study course
 - 20 Illinois CFMs
- ✓ 2001 – www.IllinoisFloods.org



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	1987	2016
Number of members	28	731
Number of CFMs	0	528
Number of technical committees	2	14
Annual conference registration	\$30	\$385
Conference attendance	136	564
CRS communities	0	62



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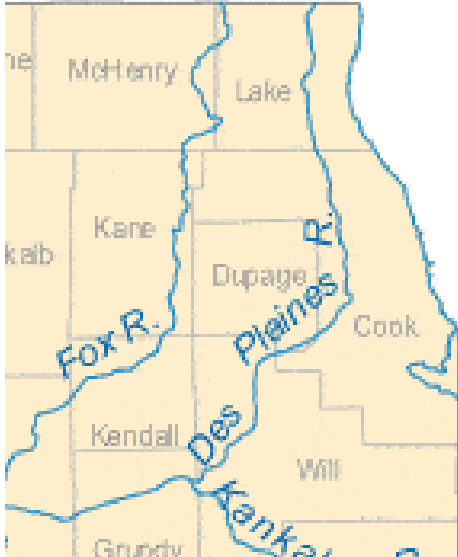
1986 – 1987

- ✓ Floods in Chicago area in both years
- ✓ Impacted the right people both times
- ✓ New statutory authority
- ✓ New authority for Northeastern Illinois County stormwater management agencies
- ✓ New state floodway authority and new state floodway rules
- ✓ 1991: Beverly Bank lawsuit



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November 1988

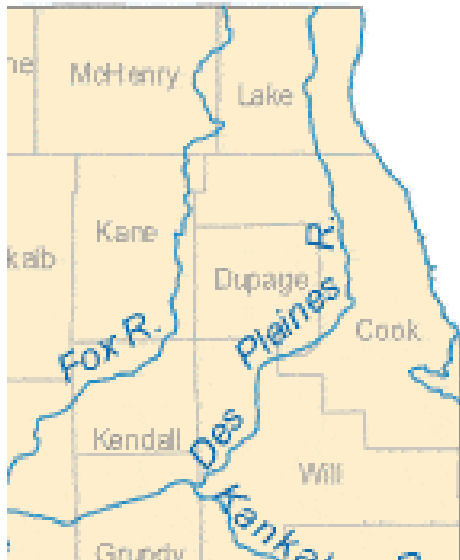
NE IL State Floodway Rules (3708 Rules)

- ✓ State land use restrictions in floodway
- ✓ Floodway conveyance, storage, and velocity
- ✓ Storage maintained 10- and 100-year
- ✓ Coordinates FW map changes with FEMA
- ✓ Allow permitting delegation to communities
- ✓ Allow watershed view (anticipated unsteady flow)
- ✓ Required NE IL Communities Ord. update



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1987 – 1989

Technical studies → regulatory changes

- ✓ NIPC Stormwater Study Dual Release Rate
- ✓ SCS Depressional Storage Loss Study



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- ✓ 1992 – First proposal
- ✓ 1995 – Certification Task Force
 - NM, TX, OK CFMs
- ✓ 1997 – Certification Board of Regents
- ✓ 1998 – 7 exam categories
- ✓ 1999 – First exam



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Exam categories

1. Overall context
2. Mapping
3. Regulatory standards
4. Regulatory administration
5. Flood insurance
6. Flood hazard mitigation
7. Natural & beneficial functions

Association of State Floodplain Managers

- ▶ About ASFPM
- ▶ ASFPM Membership Information
- ▶ Certification Program (CFM®)
- ▶ Conferences & Events
- ▶ Training and Education
- ▶ Committees
- ▶ Chapter and State Contacts
- ▶ State/Local Resources and Tools
- ▶ Flood Maps & Data
- ▶ National Policy and Programs
- ▶ Publications and Policy Papers
- ▶ Press Room
- ▶ Job/RFP Postings

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ASFPM Certified Floodplain Manager Program Information

The Association of State Floodplain Managers has established a national program for certifying floodplain managers. This program recognizes continuing education and professional development that enhances the knowledge and performance of local, state, federal and private-sector floodplain management professionals.

The role of the nation's floodplain managers is expanding due to increases in disaster losses, the emphasis on mitigation to alleviate the cycle of damage-rebuild-damage, and a recognized need for professionals to adequately address these issues. This certification program will lay the foundation for ensuring that highly qualified individuals are available to meet the challenge of breaking the damage cycle and stopping its negative drain on the nation's human, financial and natural resources.

[CFM Education Awareness Video](#)



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Program Goals:

1. Improve the knowledge of floodplain managers
2. Increase prominence of floodplain management

Personal Goals:

1. Professional credibility
2. Confidence
3. Recognition
4. Continued education



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Questions?

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