

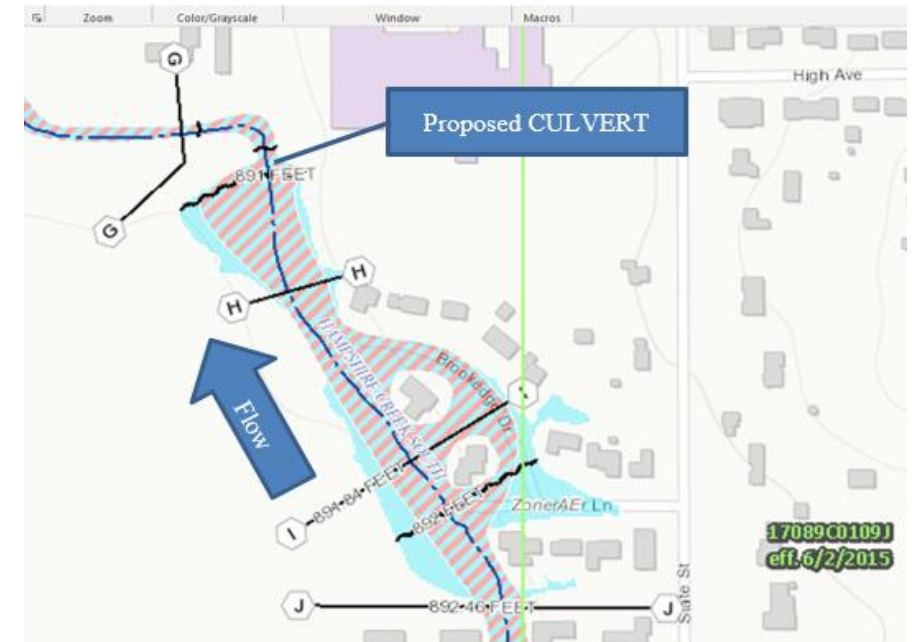


Illinois Department of Natural Resources Office of Water Resources (IDNR/OWR)



Rules and Regulations for:

- State Floodway Construction Permits
- Dams
- Public Waters
- Lake Michigan Water Allocation



Department of Natural Resources

Conservation/Preservation ▾

Parks/Recreation ▾

Hunt/Trap ▾

Boat/Fish ▾

Outreach/Ed. ▾

Extractive Res. ▾

Law/Safety ▾

Grants/Procurements ▾

Illinois DNR ► Water Resources

Water Resources

1

2

3

4

5



Upper half of the
opening IDNR screen

Protecting The Great Lakes

Protecting the Great Lakes is vital to millions of people from Illinois and throughout the Midwest who rely on these waterways for their livelihoods. Asian carp eradication measures include increased fish collection, population suppression, biological control efforts and electric barriers. These methods assist in the prevention of Asian carp bypass between the Des Plaines River and the Chicago Sanitary and Ship Canal (CSSC) as well as the Illinois and Michigan Canal and CSSC during flooding.

Scroll Down

<https://www2.illinois.gov/dnr/WaterResources/Pages/default.aspx>

About OWR - Past & Present

- Mission and Structure
- Programs
- History
- Current and Prior Directors
- Waters and Facilities List
- Contact Water Resources

News

- Advertisements for Bids
- Public Notices
- The Flood Record Newsletter

Capital Programs

- Capital Programs
- Publications and GIS Maps
- Safety At Dams
- Yorkville Dam
- Water Supply

Resource Management

- Resource Management
- Notice of Draft Administrative Rule Changes
- Permit Programs
- Permits - Statewide
- Permit For Water Withdrawal
- Lake Michigan Water Allocation
- Joint Permit Application and Instructions
- Permit F.A.Q.'s
- Permit Application Fees
- Permit Application Fee E-Pay
- Floodplain Management Resources

Stream Conditions

- Current Flood Map
- Public Waters
- Summary Table (River Stage)
- Flood Surveillance
- Stratton Operations Update

Quick Access

- Coastal Management Program
- F.A.Q.'s
- Careers and Recruiting
- Maps (Water Resources-GIS)
- National Flood Insurance Program
- Publications and GIS Maps
- CMS Job Application 100
- So, You Live Behind A Levee
- Flood Preparedness
- Fox River Flood Commission
- State Water Plan Taskforce

Contact Information

One Natural Resources Way
Springfield, IL 62702
Phone: **217-782-6302**

Contact Us
DNR Offices
Boards/Commissions
Equal Opportunity
FOIA Request for Public Records

Useful Links

Listing by Topic (A to Z)
Search Site
About DNR
Web Accessibility
FAQs
Podcasts
Privacy
AMBER ALERT
Missing/Exploited Children

Stay Connected



Copyright © 2022 IDNR

Lower half of
the opening
screen

IDNR
Office of Water
Resources
Regulatory Information

<https://www2.illinois.gov/dnr/WaterResources/Pages/default.aspx>

Resource Management

- Resource Management
- Notice of Draft Administrative Rule Changes
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- Permit Application Fee E-Pay
- Floodplain Management Resources

OWR Regulatory Program
Permitting Background

Download Statewide Permits
Each has detailed requirements

Request by community to use
Lake Michigan Water

Needed for Formal
Permits + Delegation

30 common questions
answered

Payment amount and option
for electronic fee payment

Various Floodplain
Management Documents

<https://www2.illinois.gov/dnr/WaterResources/Pages/default.aspx>

IDNR/OWR Permit Programs Administrative Rules

Formal, Statewide, Regional Permit #3, Delegated

- Part 3700 Construction in Floodways of Rivers, Lakes and Streams
- Part 3708 Floodway Construction in Northeastern Illinois

Dam Safety Program Navigating Public Waters

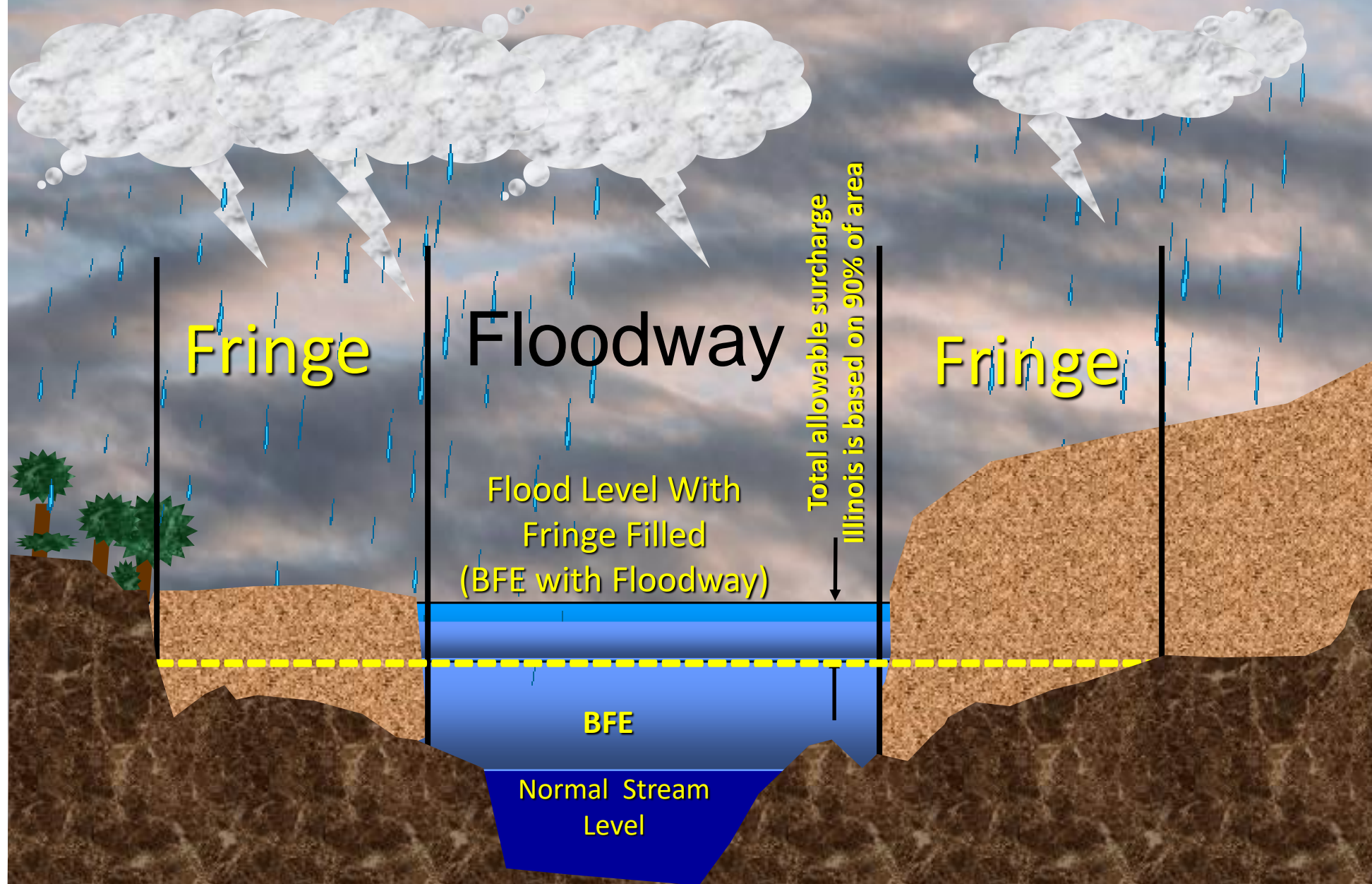
- Part 3702 Construction and Maintenance of Dams
- Part 3704 Regulation of Public Waters

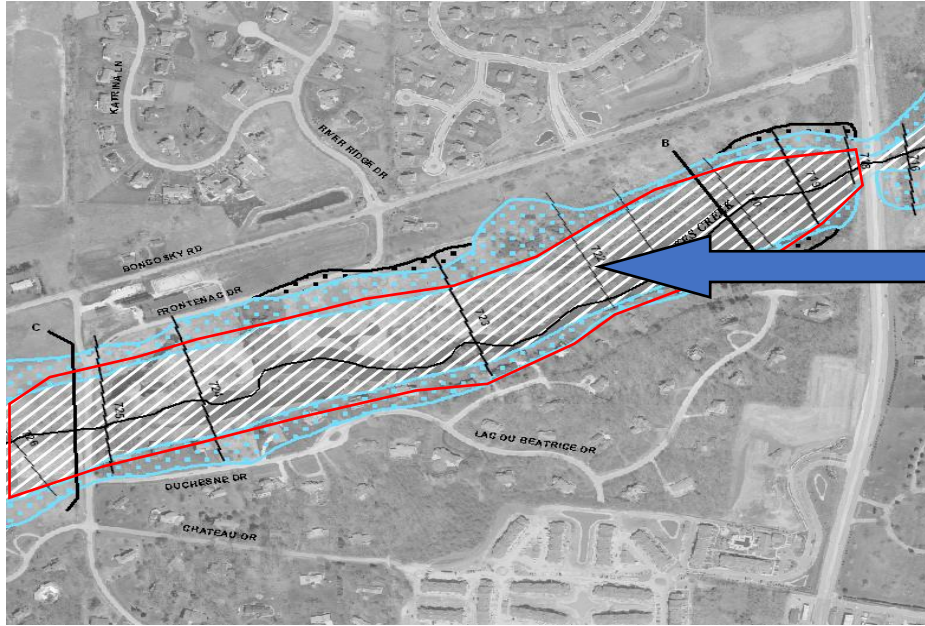
Lake Michigan Water Allocation (Drinking and Navigation)

- Part 3730 Allocation of Water from Lake Michigan



Use same 100-yr. flow (Q_{100})

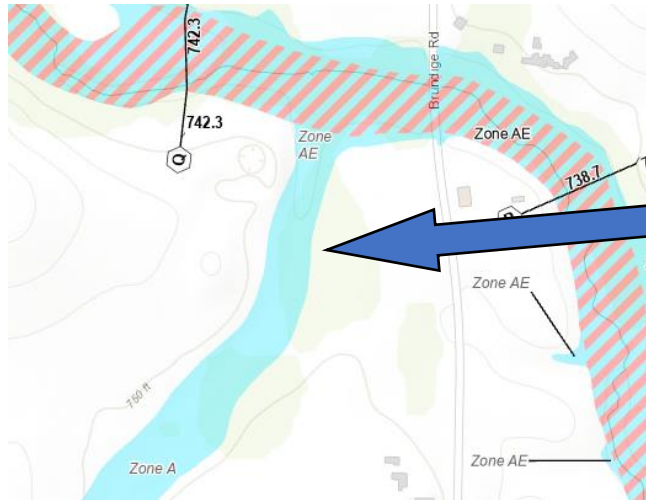




Part 3708

A State Permit is required in a
Mapped Floodway

“Designated Floodway”



Part 3700

Floodplain with no identified,
mapped Floodway

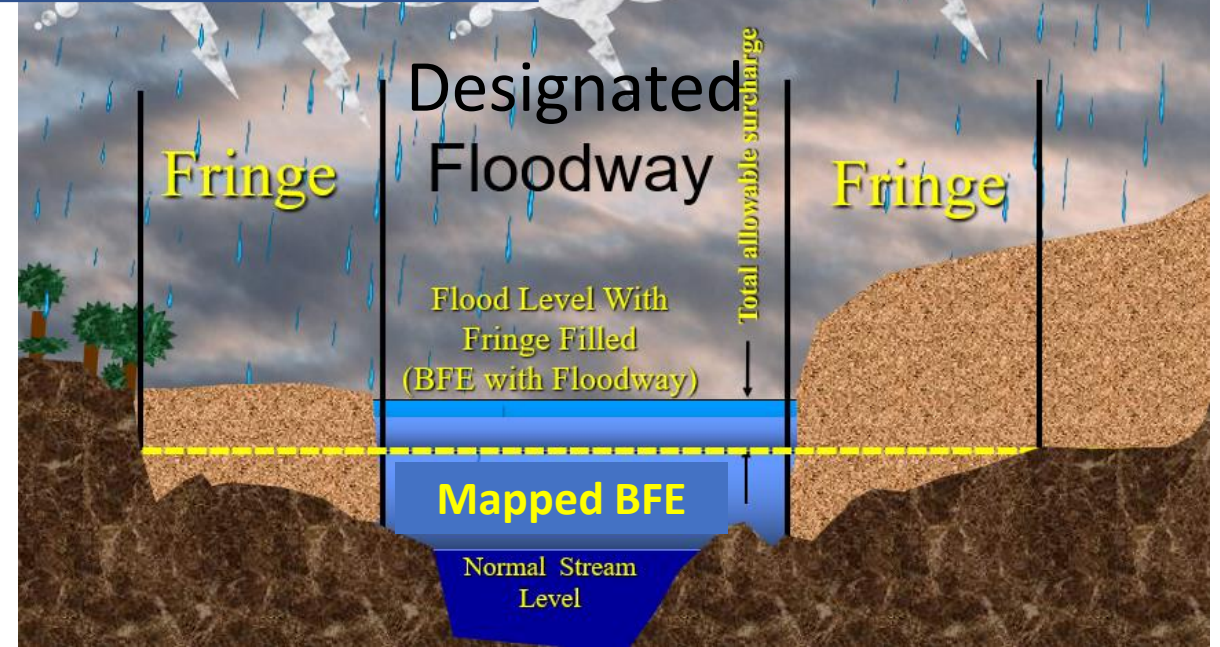
“Non-Designated Floodway”

**Waterway Drains more than
1 Square Mile (Urban) and
10 Square Miles (Rural)**

Part 3700

OWR Permit Rules for Floodways

Part 3708



Part 3700 Rules require that:

Issue a Formal Permit with:

Project Channel Conveyance must be maintained

New Bridges < 0.5-foot W.S. increase (0.1 ft 1000 upstream)

Replace Bridges => conveyance, damage assessment

List of exempted activities: maintenance, remove culverts/debris

Minor construction may apply for Statewide Permit

No Delegation option

Part 3708 Rules require that:

Issue a Formal Permit with:

Velocity not be increased by 10% through the reach

0-10 and 10-100-year Compensatory Storage needed

Water Surface increases less than 0.1 feet or 0.0 feet

Minimize Upstream damages in your design

Letter stating no upstream damages by replaced culvert

Regional Permit #3, Delegation, or PNR may apply.

A floodway **allows for development in floodplain fringe** .

A floodway is smaller of 0.1 ft water increase **OR** 90%-volume

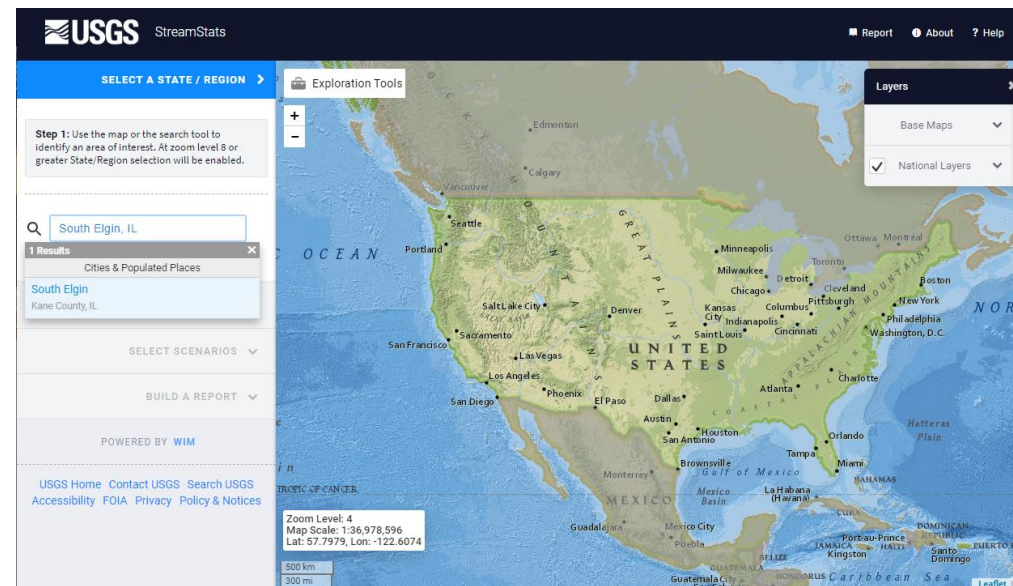
IDNR/OWR Floodway Permit Program (Part 3700 Rules)

The IDNR/OWR has jurisdiction over **new floodway construction** in watercourses which have a drainage watershed area of:

- 1 square mile or more (640 acres) in an urban area, or
- 10 square miles or more (6400 acres) in a rural area (not developed in next 5 years)
- Consult with IDNR/OWR for assistance with determining jurisdiction

Use **USGS StreamStats** to
determine upstream watershed Area
at:

www.Streamstats.gov/ss/



IDNR/OWR Floodway Permit Program (Part 3700 Rules)

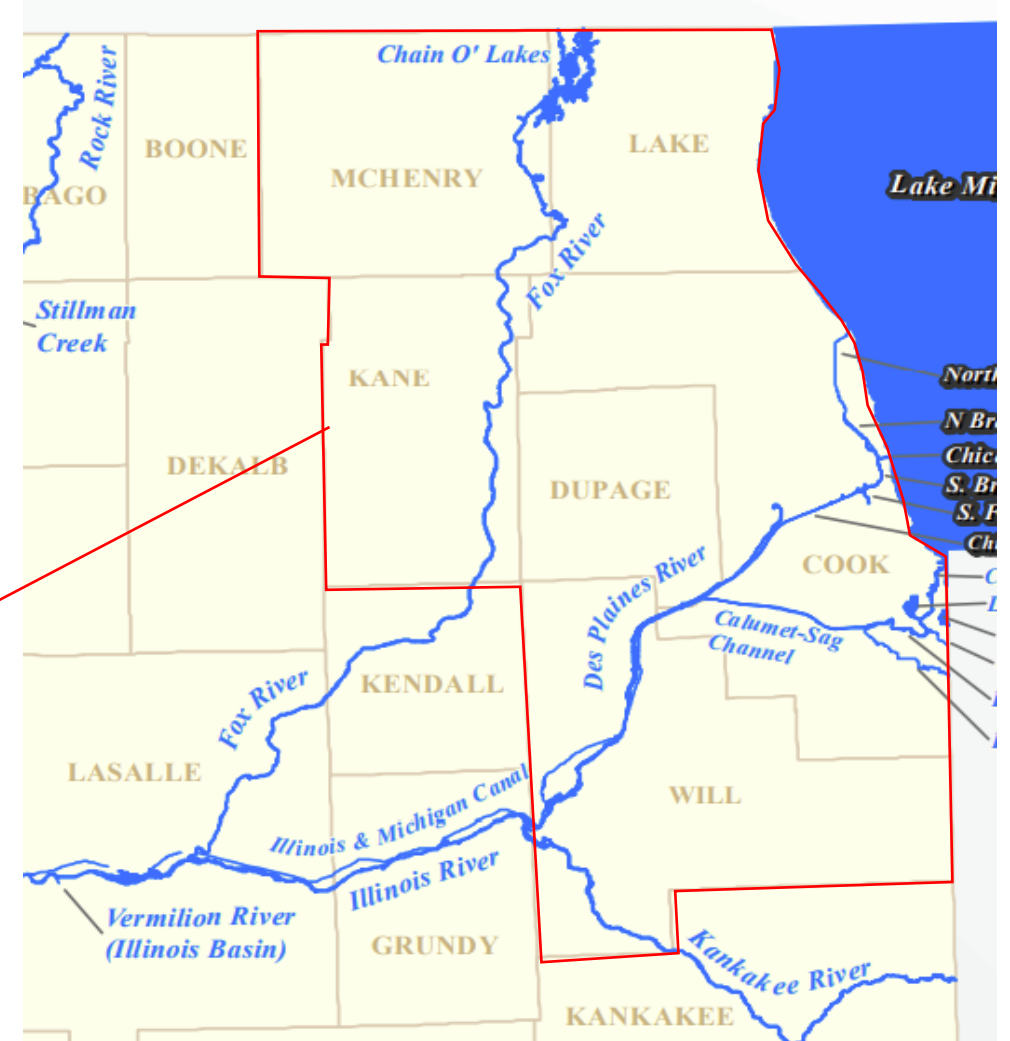
DOWNSTATE COUNTIES

All jurisdictional streams are Part 3700 Rules regardless of the floodway/floodplain mapping
(no Part 3708 for downstate areas)

NORTHEASTERN ILLINOIS

Part 3700 for jurisdictional streams which do not have regulatory designated floodways

The Part 3708 Rules only applies to Northeastern Illinois



IDNR/OWR Floodway Permit Program (Part 3700 Rules)

Two types of Part 3700 Rule Permits offered:

1. **Statewide Permits** (next slide)

Statewide Permits are pre-authorizations of certain minor projects which are permissible per the Part 3700 rules.

A Joint Permit Application Form submittal is usually not needed.

2. **Formal Permit**

Formal Permits are needed for significant projects which do not meet a Statewide Permit. These projects generally require an extensive project review of hydrologic & hydraulic engineering data.

Examples: New Bridges, Culverts, and Levees



Formal Permit
Submittal

IDNR/OWR Floodway Permit Program (Part 3700 Rules)

Current Active Statewide Permits

- SWP 2 - Bridge and Culvert Crossings of Streams in Rural Areas
- SWP 3 - Mooring Facilities Used Exclusively for Barge Fleeting Purposes
- SWP 4 - Aerial Utility Crossings
- SWP 5 - Minor Boat Docks (10' wide, 10 ft inside P/L, 50' long max.-%chan.dist.)**
- SWP 6 - Minor Non-Obstructive Floodway Construction
- SWP 7 - Outfalls**
- SWP 8 - Underground Pipeline and Utility Crossings (>3 ft. below channel)**
- SWP 9 - Minor Shoreline, Stream Bank, and Channel Protection activities**
- SWP 10 - Accessory Structures and Additions to Existing Residential Structures
- SWP 11 - Minor Maintenance Dredging
- SWP 12 - Bridge and Culvert Replacement Structures**
- SWP 13 - Temporary Construction Activities
- SWP 14 - Special Uses of Public Waters

IDNR/OWR Floodway Permit Program (Part 3708 Rules)

Part 3708 regulatory floodway construction jurisdiction of watercourses in Cook, DuPage, Kane, Lake, McHenry and Will counties **(not in the City of Chicago)** if the watercourse has a drainage area of:

- 1 square miles or more (640 acres) in an urban area
- 10 square miles or more (6400 acres) in a rural area **(not developed within 5 years)**
- Consult with IDNR/OWR for assistance with determining jurisdiction



Rural

Urban

Urban-Residential

IDNR/OWR Floodway Permit Program (Part 3708 Rules)

Two types of Part 3708 Permits offered:

1. **Regional Permit No. 3** (next slide)

Regional Permit No. 3 is a pre-authorizations of **certain minor projects** which are considered permissible per the Part 3708 rules.

No computer hydrologic or hydraulic modeling needed.

A permit application submittal is usually not needed.

2. **Formal Permit**

Formal Permits are needed for significant projects which do not meet Regional Permit No. 3. These projects generally require an extensive project review of engineering data.

Examples: Bridges and Culverts, Channel Modification Projects, Flood Control Projects



Formal Permit
Submittal

IDNR/OWR Floodway Permit Program (Part 3708 Rules)

Regional Permit No. 3 – Authorizes only four categories:

1. Underground and overhead utilities,
 - a) No existing elevation increases, Casing 3 ft. below streambed, generally no cofferdams allowed for RP3
2. Storm and sanitary sewer outfalls,
 - a) Pipe not project outward into waterway, less than 1000 CFS flow, velocity < scour velocity
3. Sidewalks, patios, athletic fields, playground equipment, and
 - a) No fencing or fill to be placed, anchor equipment
4. Streambank protection activities.
 - a) Shoreline protected < 1000 feet, materials (concrete / sheet pile) not placed higher than existing top of bank

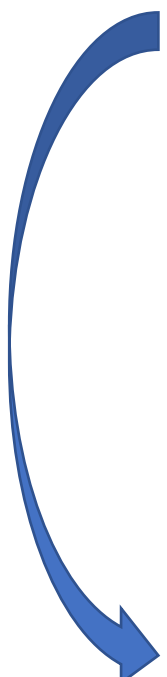
RP3 can be found at:

<https://www.dnr.illinois.gov/WaterResources/Pages/PermitsStatewide>

IDNR/OWR Floodway Permit Program

Part 3700 Rules **vs.** Part 3708 Rules

ONLY within PART 3708 RULES

- 
- Appropriate Uses (“allowable construction” in the designated floodway)
 - Required Floodway Map Revisions (designated floodway changes)
 - Delegation (Submit a Joint Application Form)
 - Municipalities/Counties (DuPage, Lake, and Will)
 - IDOT 2013 MOA Agreement

Some Appropriate Uses 3708.70 c): Flood control structures, outfalls, garages, storage sheds, bridges, culverts, parking lots <one-foot deep BFE, no-fill regrading, floodproofing, repair damaged building<50% market value, modification to existing buildings with no increased floor area, and more.

IDNR/OWR Floodway Permit Program

Part 3700 and 3708 Rules

Permit Application **Review Fees** for Formal and Delegated permits

- Part 3700 bridges-filling-levees H&H = \$3,130
- Part 3708 bridges-filling-levees H&H = \$3,760
- If a Public Notice needed add \$1,880
- Delegated fee = \$ 250

The total fee may not exceed \$5,000



Fee Schedule and details can be found at:

<http://www.dnr.illinois.gov/WaterResources/Pages/default.aspx>

- Check or Electronic Payment
- The fee increases/decreases based on U.S. Labor Consumer Price Index

IDNR/OWR Permit Program Process

Joint Application Form

JOINT APPLICATION FORM FOR ILLINOIS				
ITEMS 1 AND 2 FOR AGENCY USE				
1. Application Number		2. Date Received		
3. and 4. (SEE SPECIAL INSTRUCTIONS) NAME, MAILING ADDRESS AND TELEPHONE NUMBERS				
3a. Applicant's Name: Company Name (if any): Address: Email Address: Applicant's Phone Nos. where code: Business: Residence: Cell: Fax:		3b. Co-Applicant/Property Owner Name (if needed or if different from applicant): Company Name (if any): Address: Email Address: Applicant's Phone Nos. where code: Business: Residence: Cell: Fax:		4. Authorized Agent (an agent is not required): Company Name (if any): Address: Email Address: Agent's Phone Nos. where code: Business: Residence: Cell: Fax:
STATEMENT OF AUTHORIZATION				
I hereby authorize, _____ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application. Applicant's Signature _____ Date _____				
5. ADJOINING PROPERTY OWNERS (Upstream and Downstream of the water body and within Visual Reach of Project)				
Name	Mailing Address		Phone No. where code	
a.				
b.				
c.				
d.				
6. PROJECT TITLE:				
7. PROJECT LOCATION:				
LATITUDE: _____ °N	UTMs			
LONGITUDE: _____ °W	Nothing			
STREET, ROAD, OR OTHER DESCRIPTIVE LOCATION		LEGAL DESCRIPT	QUARTER	SECTION
TOWNSHIP NO.		RANGE		
IN OR NEAR CITY OF TOWN (check appropriate box) Municipality Name		WATERWAY		RIVER MILE (if applicable)
COUNTY	STATE	ZIP CODE		
Revised 2010 <input type="checkbox"/> Corps of Engineers <input type="checkbox"/> IL Dept of Natural Resources <input type="checkbox"/> IL Environmental Protection Agency <input type="checkbox"/> Applicant's Copy				

8. PROJECT DESCRIPTION (include all features):					
9. PURPOSE AND NEED OF PROJECT:					
COMPLETE THE FOLLOWING FOUR BLOCKS IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED					
10. REASON(S) FOR DISCHARGE:					
11. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS FOR WATERWAYS: TYPE: AMOUNT IN CUBIC YARDS:					
12. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (See instructions)					
13. DESCRIPTION OF AVOIDANCE, MINIMIZATION AND COMPENSATION (See instructions)					
14. Date activity is proposed to commence _____ Date activity is expected to be completed _____					
15. Is any portion of the activity for which authorization is sought now complete? Yes <input type="checkbox"/> No <input type="checkbox"/> NOTE: If answer is "YES" give reasons in the Project Description and Remarks section. Indicate the existing work on drawings. Month and Year the activity was completed _____					
16. List all approvals or certifications received from other Federal, interstate, state, or local agencies for structures, construction, discharges or other activities described in this application.					
Issuing Agency	Type of Approval	Identification No.	Date of Application	Date of Approval	Date of Denial
17. CONSENT TO ENTER PROPERTY LISTED IN PART 7 ABOVE IS HEREBY GRANTED. Yes <input type="checkbox"/> No <input type="checkbox"/>					
18. APPLICATION VERIFICATION (SEE SPECIAL INSTRUCTIONS) Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.					
Signature of Applicant or Authorized Agent			Date		
Signature of Applicant or Authorized Agent			Date		
Signature of Applicant or Authorized Agent			Date		
<input type="checkbox"/> Corps of Engineers Revised 2010 <input type="checkbox"/> IL Dept of Natural Resources <input type="checkbox"/> IL Environmental Protection Agency <input type="checkbox"/> Applicant's Copy					

SEE INSTRUCTIONS FOR ADDRESS

A Joint Application Form (JAF) is needed for...

- **Floodway construction** [requiring a formal permit](#)
- **Application to be “Delegated” to a community (DuPage-Lake-Will)**

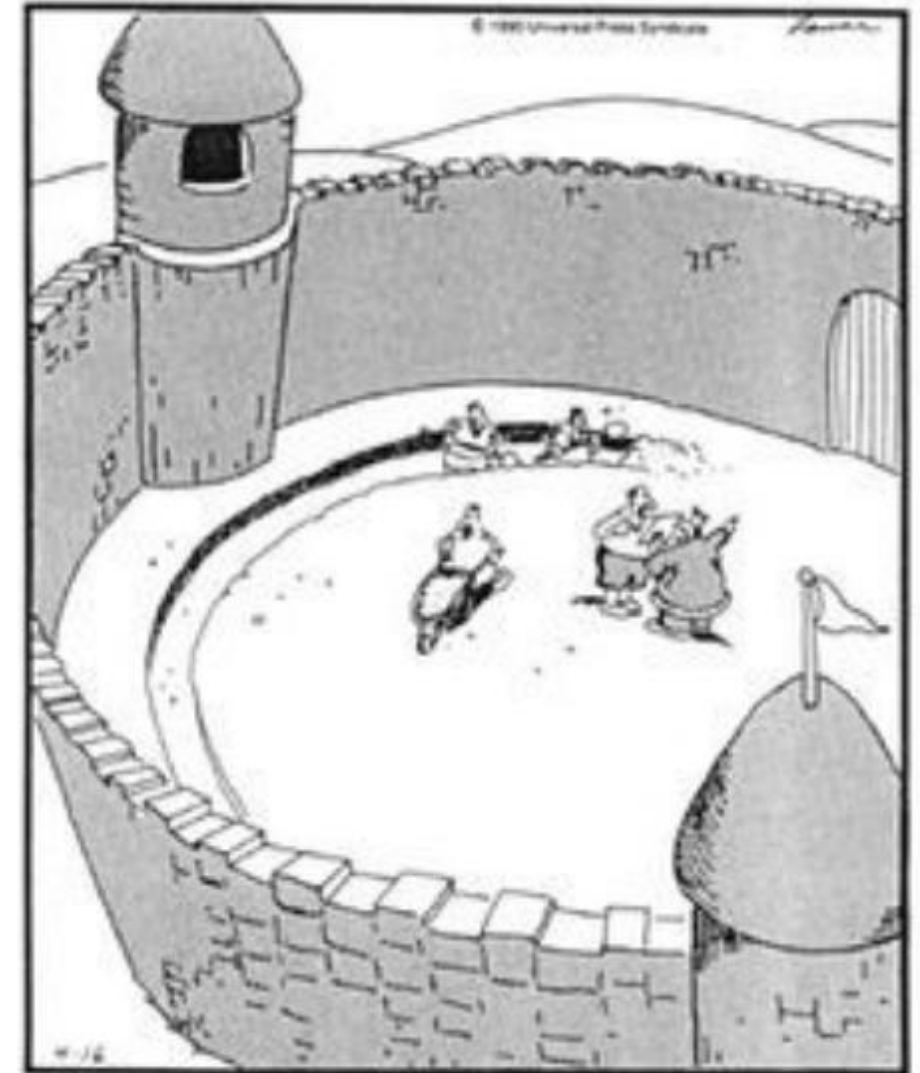
How to Submit a JAF...

- Can submit PDF electronic package to William.Boyd@illinois.gov
Some very detailed construction sheets, may need paper copy transmittal
- Permit application package: [Joint Application Form](#), a [project report](#) that outlines existing conditions, hydrology and hydraulics, and project scope
- Initial questions? Call Bartlett Office (847) 608 3116
- [Provide the review fee](#) before a technical review may begin

When not to Submit a Formal Permit...

A Joint Application Form submittal is not needed for floodway construction activities that:

- are not jurisdictional
(less than 1 SM watershed for urban zoning),
- are authorized by a Regional or Statewide permit (minor construction),
- are an exempted activity such as (maintenance-remodeling),
- If a project can be authorized by IDOT/DOH per MOA (review taken-over by IDOT/DOH).



Suddenly, a heated exchange took place between the king and the moat contractor.

Joint Application Form

with the US Army Corps of Engineers

JOINT APPLICATION FORM FOR ILLINOIS				
ITEMS 1 AND 2 FOR AGENCY USE				
1. Application Number 1		2. Date Received 2		
3. and 4. (SEE SPECIAL INSTRUCTIONS) NAME, MAILING ADDRESS AND TELEPHONE NUMBERS				
3a. Applicant's Name: Company Name (if any): Address: Email Address:		3b. Co-Applicant/Property Owner Name (if needed or if different from applicant): Company Name (if any): Address: Email Address:		4. Authorized Agent (an agent is not required): Company Name (if any): Address: Email Address: 4
Applicant's Phone Nos. wireless code: Business: Residence: Cell: Fax:		Applicant's Phone Nos. wireless code: Business: Residence: Cell: Fax:		Agent's Phone Nos. wireless code: Business: Residence: Cell: Fax:
STATEMENT OF AUTHORIZATION				
I hereby authorize, 5 to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application. Applicant's Signature _____ Date _____				
5. ADJOINING PROPERTY OWNERS (Upstream and Downstream of the water body and within Visual Reach of Project)				
Name a. b. c. d.	Mailing Address 6		Phone No. wireless code	
6. PROJECT TITLE:				
7. PROJECT LOCATION:				
LATITUDE: 7 °N LONGITUDE: °W		UTMs Northing: _____ Easting: _____		
STREET, ROAD, OR OTHER DESCRIPTIVE LOCATION		LEGAL DESCRIPT	QUARTER	SECTION
TOWNSHIP NO.		RANGE		
<input type="checkbox"/> IN OR <input type="checkbox"/> NEAR CITY OF TOWN (check appropriate box) Municipality Name		WATERWAY		RIVER MILE (if applicable)
COUNTY 8	STATE	ZIP CODE		
<input type="checkbox"/> Corps of Engineers <input type="checkbox"/> IL Dept of Natural Resources <input type="checkbox"/> IL Environmental Protection Agency <input type="checkbox"/> Applicant's Copy				

1. Application number (OWR assigns)
2. Date Received (in Bartlett Office)
3. Applicant's name (with contact info)
4. Agent's name (often the Engineer)
5. Statement of Authorization (allows signatory authorization for the Agent)
6. Adjacent Property Owners Information
7. Project Location (Latitude, Longitude and Section-Township-Range)
8. Municipality of the project (in or near)

Joint Application Form

with the US Army Corps of Engineers

9. Brief description of Project
10. Purpose of Project
11. For Dredging Projects Only
12. Start Date of Project
13. Projected Date of Completion
14. Signature and date

8. PROJECT DESCRIPTION (include all features):

9

9. PURPOSE AND NEED OF PROJECT:

10

COMPLETE THE FOLLOWING FOUR BLOCKS IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

10. REASON(S) FOR DISCHARGE:

11. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS FOR WATERWAYS:

TYPE:

AMOUNT IN CUBIC YARDS:

11

12. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (See instructions)

13. DESCRIPTION OF AVOIDANCE, MINIMIZATION AND COMPENSATION (See instructions)

14. Date activity is proposed to commence: Date activity is expected to be completed:

12

15. Is any portion of the activity for which authorization is sought now complete? Yes ☐ No ☐ NOTE: If answer is "No" give reasons in the Project Description and Remarks section. Indicate the existing work on drawings.

Month and Year the activity was completed:

13

16. List all approvals or certification and denials received from other Federal, interstate, state, or local agencies for structures, construction, discharges or other activities described in this application.

Issuing Agency	Type of Approval	Identification No.	Date of Application	Date of Approval	Date of Denial

17. CONSENT TO ENTER PROPERTY LISTED IN PART 7 ABOVE IS HEREBY GRANTED. Yes ☐ No ☐

18. APPLICATION VERIFICATION (SEE SPECIAL INSTRUCTIONS)
Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.

Signature of Applicant or Authorized Agent: Date

Signature of Applicant or Authorized Agent: Date

Signature of Applicant or Authorized Agent: Date

14

☐ Corps of Engineers Revised 2010 ☐ IL Dept of Natural Resources ☐ IL Environmental Protection Agency ☐ Applicant's Copy

SEE INSTRUCTIONS FOR ADDRESS

■ <https://www.dnr.illinois.gov/WaterResources/Pages/PermitApplicationandInstructions.aspx>

Supporting Information

- Narrative (Meet with us before submittal)
- Location Map (project location and size of property)
- FIRM (use the National Flood Hazard Layer maps)
- Site Plan (show property limits, 11x17 sheets are ok)
- Grading Plan (overlay existing and proposed grades)
- Provide Cross Sections (especially road projects)
- Construction Drawings (PE sealed title sheet)
- Computations/H&H Analyses (provide digital models)
- Engineering Report (w/ flood damage assessments)

ONLY ONE COPY of APPLICATION SUBMITTAL IS NEEDED...

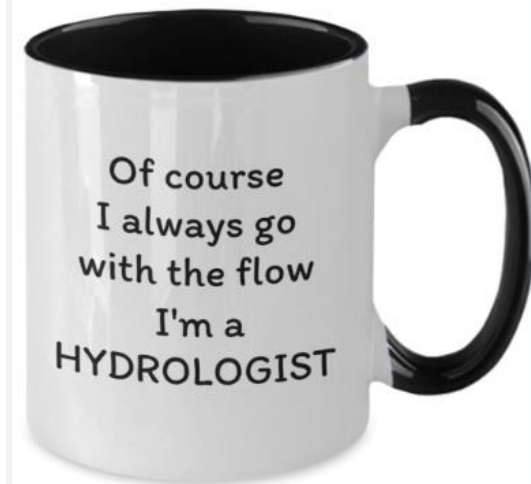


National Flood Hazard Layer viewer

Application Submittal Information

Sometimes Overlooked or Over-reported

- Narrative Outline
 1. Existing Conditions *Locate by major roadways, FIRM panel Number*
 2. Proposed Project *Phased construction? Upstream damage?*
 3. Hydrology and Hydraulics *FEMA model? Add Cross Sections?*
 4. Mitigated Storage Calculations *Fill in Part 3708 floodway, 0-10 & 10-100 ?*
- *No Wetlands Information or most HEC-RAS Cross Section plots*
- Summary Tables for Hydrology and Hydraulics (*Existing vs. Proposed*)
 - Water surface changes (10yr. & 100 yr.)
 - Conveyance, storage, and % velocity at each cross section (10yr. & 100 yr.)



Application Submittal Information

Multiple Submittal Categories

How to submit #1

Public Water + Part 3708 + maybe Delegate-able? (in DuPage or Lake County)

- OWR Cannot delegate the application since the project is located in Public Waters
- Public Water construction always needs a 21-day Public Notice
- Satisfy Part 3704 and 3708 Regulations

How to submit #2

Part 3700 floodplain and define a designated floodway map revision (Part 3708)

For New Hydrology use... *“H&H Standards for OWR Mapping Submittals March 2020”*

Most always...OWR accepts regulatory flows... if available

Bulletin 75 required for New Hydrologic Studies of entire watershed

Generally don't accept 2-D models (except FEQ, Boneyard SWMM, Rock River model)

New Hydrology/Flow Approval Checklist

☐ Narrative

- ☐ Project Description
- ☐ General Location Map
- ☐ Analysis Methods
- ☐ Rainfall Amounts
- ☐ Rainfall Distributions
- ☐ Sensitivity Analysis
- ☐ Calibration
- ☐ Documentation of Restrictive Road Crossings
- ☐ Signed & Sealed by P.E.

☐ Maps & Schematics

- ☐ Include Subbasins & Names
- ☐ Include Other Significant Points
- ☐ Aerial Photography
- ☐ Topography
- ☐ Land Use
- ☐ Soils
- ☐ Floodplain/Floodway
- ☐ Model Schematic

☐ Supporting Calculations

- ☐ Curve Numbers
- ☐ Lag Time/TC
- ☐ Rating Curves
- ☐ Routing Parameters

☐ Models

- ☐ Hydrologic - Print & Electronic
- ☐ Hydraulic - Print & Electronic
- ☐ Floodway Definition
- ☐ Structure-Specific

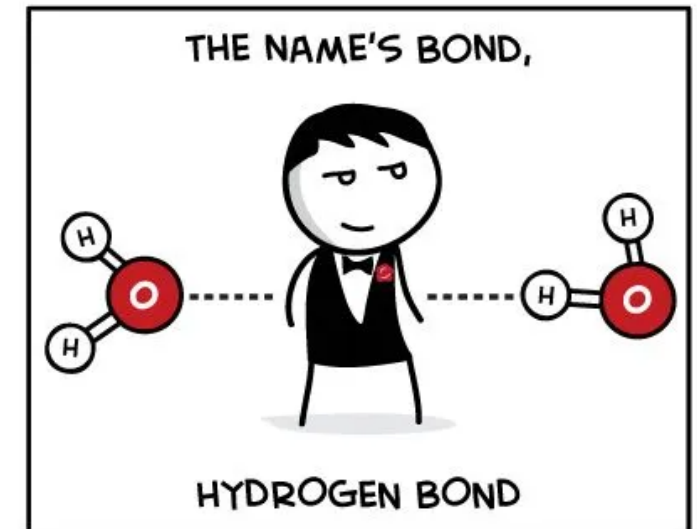
☐ Summary Tables

- ☐ Subbasin & Section IDs
- ☐ General Hydrology Results
- ☐ Sensitivity Analysis
- ☐ General Hydraulic Results
- ☐ Floodway Definition

Use **Huff Quartiles** within the **critical duration analysis** to capture peak flows for each sub-watershed.

Use **Bulletin 75** rainfall
Calibrate several events if possible.

Larger watersheds peak with longer duration events, often near their time of concentration durations.



Dam Safety Permit Program

Part 3702 Rules
Regulation of Dams



Dam Safety Permit Program

Definition

“Dam” – All manmade obstructions, walls, embankments, or barriers, together with their abutments and appurtenant works,

constructed for the purpose of storing or diverting water or creating a pool.

Also, the dam must be a structure, with placed material, not just excavation.



Dam Safety Permit Program

Part 3702 Dam Categorization

Size

(Small, Intermediate, or Large)

Based on:

Impounding Capacity & Dam Height

Hazard

- Class I (High),
- Class II (Moderate), or
- Class III (Low)



Dam Safety Permit Program

Dam Classification

Class I, II, and III relate to the potential for loss of life...if a sudden failure were to occur.

Class I **High Probably** Loss of life

Like...a baby sleeping on the basement floor

Class II **Moderate Probability** of loss of life

Downstream flooding potential

Class III **Low Probability** of loss of life

Breached dam flows into open space



Dam Safety Permit Program

When is a dam safety permit required?

- Construction of a new dam
(Class I, Class II, or Jurisdictional Class III)
- Major Modification to an existing dam
(Major Structural Change)
- Remove an existing dam

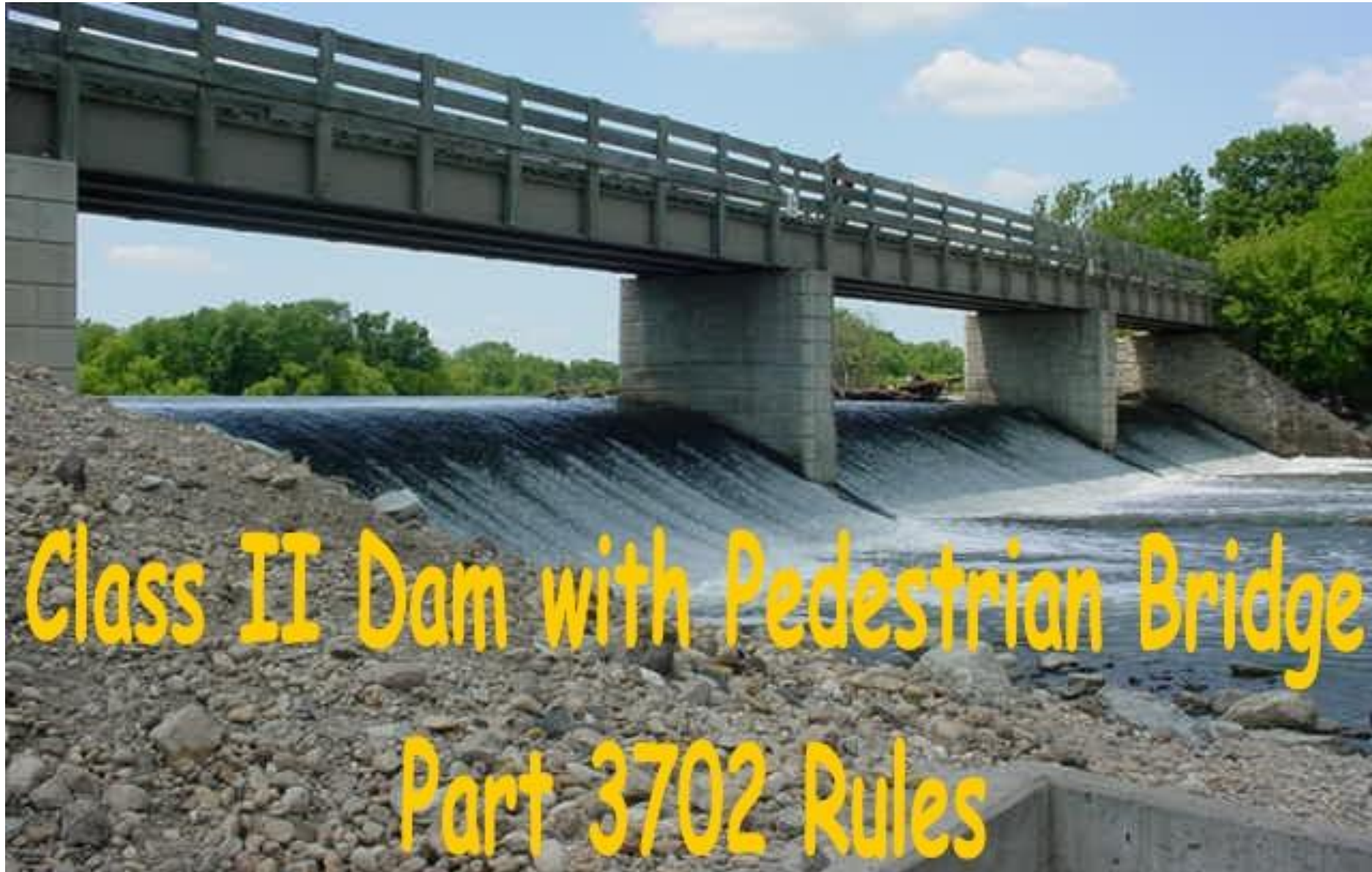
An existing dam is defined as a dam which was constructed prior to September 2, 1980.

Dam Safety Permit Program



Class I High Hazard Dam
Part 3702 Rules

Dam Safety Permit Program



Class II Dam with Pedestrian Bridge
Part 3702 Rules

Dam Safety Permit Program



IDNR/OWR Public Waters Permits (Part 3704 Rules)

3 TYPES OF PUBLIC WATERS

- Natural Waterways
Such as : Fox River, Des
Plaines River, Kankakee
- Waterways Improved for
Navigation
Such as : Fox Chain of Lakes
- Man-Made Waterway
Such as: I&M Canal,
Sanitary and Ship Canal

Appendix A Lists all PWs



IDNR/OWR Public Waters Permits (Part 3704 Rules)

- Allowable activities in Public Waters
Fill placement allowed only if...

REVIEW CONSIDERATIONS

- Navigation Impacts (temp cofferdams?)
- Encroachments
- Impairment of Public's rights, interests and uses
- Impairment of Natural Resources
- No Delegation option

Fill Material can be placed per 3704.70 b) in Public Waters for: bank protection, beach nourishment, spur dikes, dams, emergency projects related to structural failure, authorized by the General Assembly, and more.

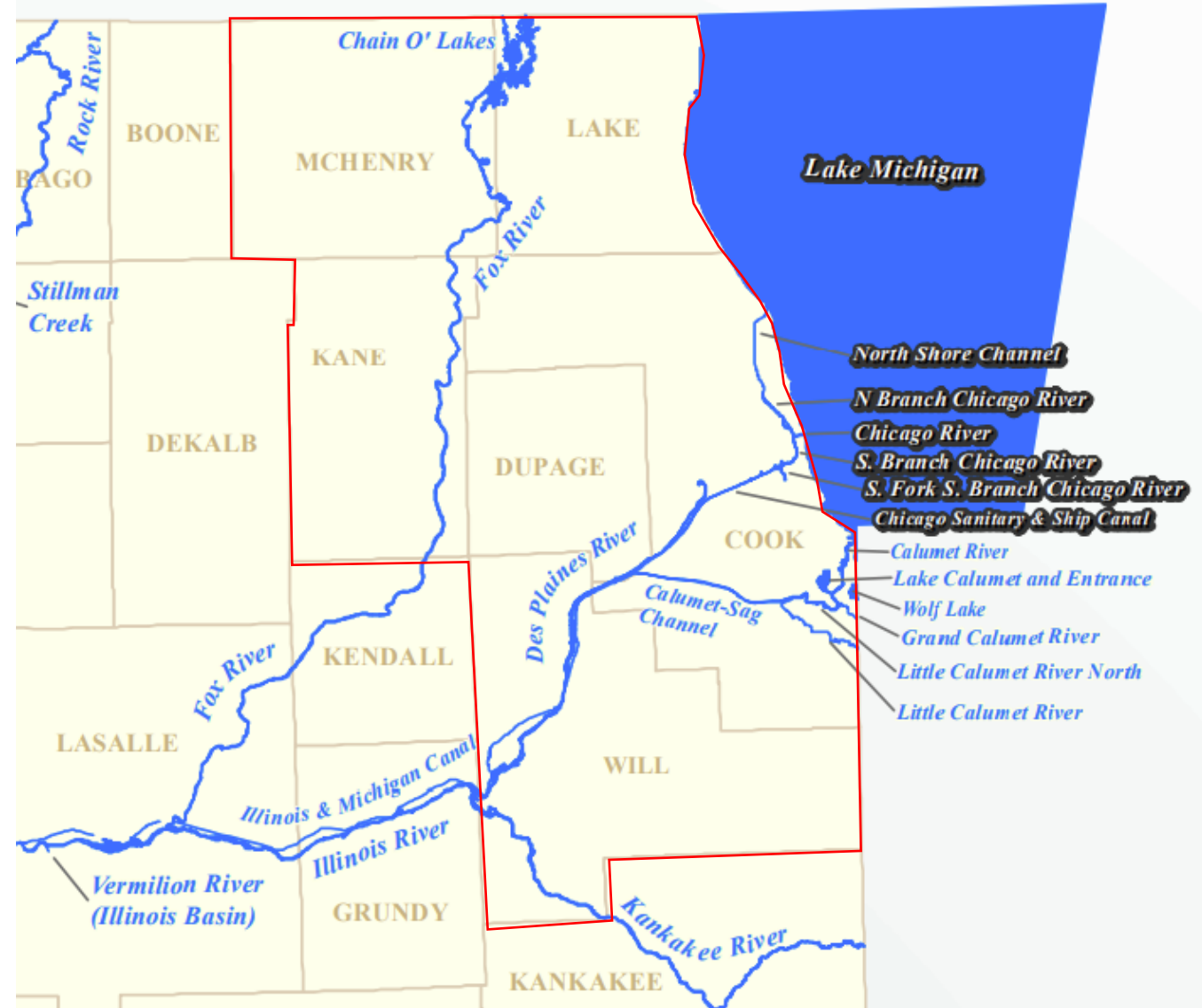


ILLINOIS PUBLIC WATERS



All of Illinois

Identify Illinois Public Waters



Northeastern Illinois Public Waters

Public Notice Process Background

A 21-day Public Notice is needed for:

- Regulatory floodway map revisions or flood profile changes.
- Projects in public waters that are not authorized by a Regional (RP3), Statewide (SW 1-12) or General Permit.
- Dam modification formal permits.



Office of Water Resources • 2050 West Stearns Road • Bartlett, Illinois 60103

PUBLIC NOTICE

FLOODWAY MAP REVISION FOR MIDLOTHIAN CREEK IN THE VILLAGE OF OAK FOREST

The Village of Oak Forest, 15440 Central Ave, Oak Forest, IL 60452 has requested from the Illinois Department of Natural Resources, Office of Water Resources concurrence with a floodway map revision along Midlothian Creek in Cook County. The proposed floodway map revision is included in this packet and is located adjacent to the intersection of Cicero Avenue and 159th Street. This public notice is being issued pursuant to the State of Illinois Floodway Map Revision Concurrence Rules.

The proposed revision is based on updated rainfall hydrology, recent culvert construction, and accurate topographic survey information. The floodway is narrower on the southside of 159th Street due to the recent construction of 520 foot long culvert under 159th Street and Cicero Avenue. The 100-year flood elevations were computer simulated reflecting the post-project constructed culvert and channel. The revised floodplain map (also called an annotated map) is included in this 4-page packet of information. Panel 17031C0726J of the Cook County Flood Insurance Rate Map will be revised to reflect these changes. The flood profile is also being revised. The site of the proposed work is located in Sections 15, 16, and 21, Township 36 North, Range 13 East of the Third Principal Meridian in Cook County.

Information on the proposed floodway map revision may be seen by appointment at the IDNR/OWR Northeastern Illinois Regulatory Programs Section office, 2050 West Stearns Road, Bartlett, IL 60103. Inquiries and requests to review the floodway map revision and plans may be directed to Mark Hoskins of the Bartlett Office at 847/ 608-3116. Additional information about this project is on our website at www.dnr.illinois.gov/waterresources. You may also contact the applicant's engineer, Zachary Shuster of Baxter and Woodman Consulting Engineers at 815/ 459-1260.

You are invited to send written comments regarding the proposed floodway map revision to the Bartlett Office by March 31, 2023.

If you wish to contest the correctness of the revised floodway, please submit technical evidence of error, or changed conditions. The IDNR/OWR will review the evidence to determine the correctness of the floodway delineation.

March 10, 2023

Part 3730 Allocation of Water from Lake Michigan

Domestic Water Supply

Serve communities in Cook, Lake, DuPage, Kane, and Will
Permits and allocation assigned to each municipality

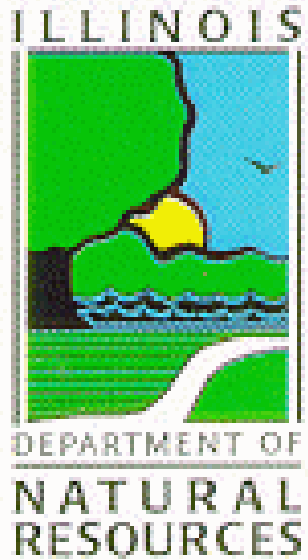
Direct Diversion

Navigation: provide safe navigation in Sanitary Ship Canal
Discretionary: improve water quality in the canal systems

Stormwater Runoff

Diverted water from Lake Michigan to flow unto the Chicago River and Calumet Rivers.

USACE calculates this inflow to meet from US Supreme Court Rulings



IDNR-OWR Offices

Northeastern Illinois Regulatory Programs

**2050 W. Stearns Road
Bartlett, IL 60103**

Phone (847) 608-3116

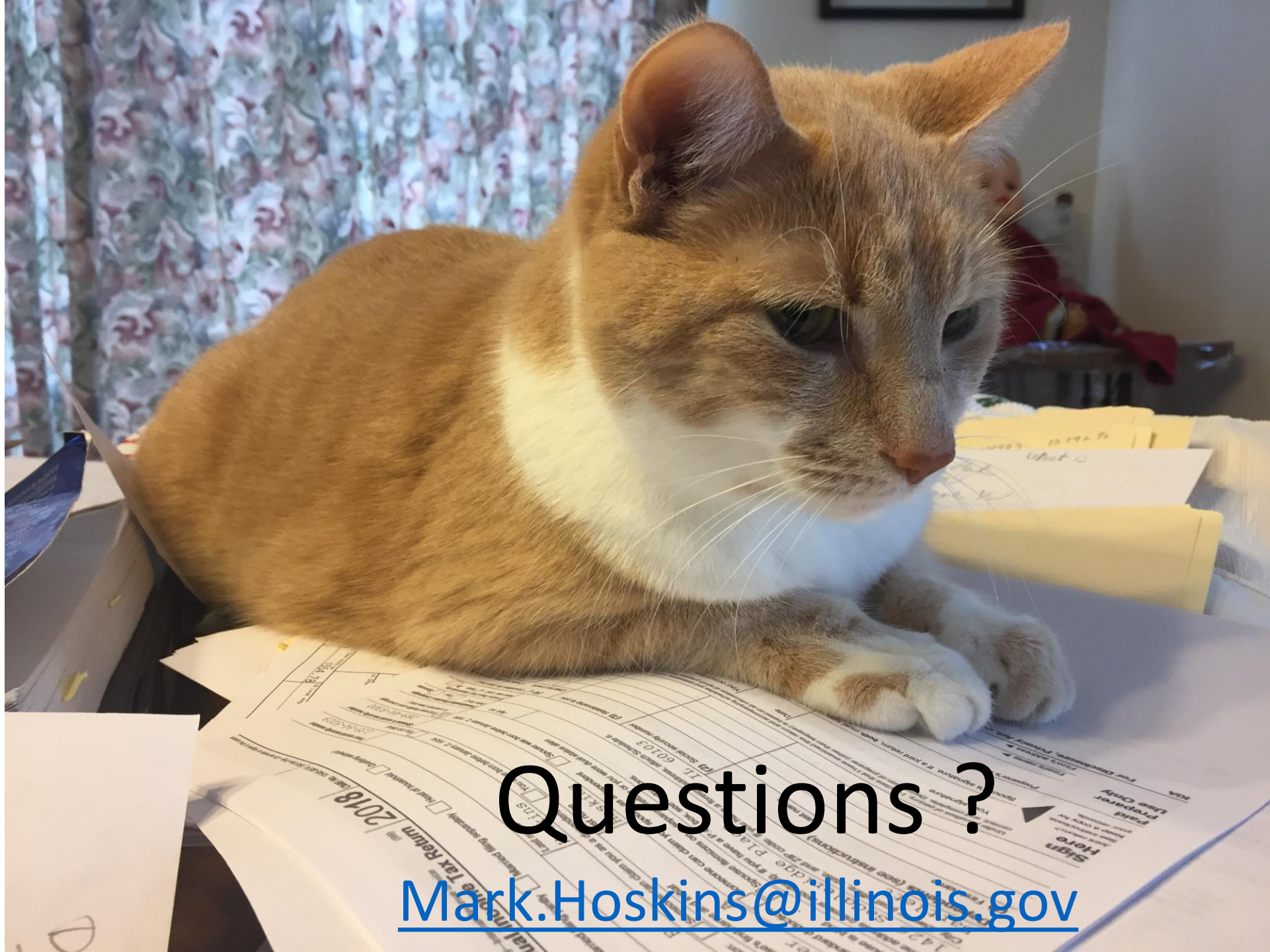
William T. Boyd, Section Chief
NE Illinois Regulatory Program

Downstate Illinois Regulatory Programs

**One Natural Resource Way
Springfield, IL 62702-1271**

Phone (217) 782-0900

Steven C. Altman, Manager
Division of Resource Management
William Milner, Section Chief
Downstate Regulatory Program



Questions ?

Mark.Hoskins@illinois.gov