

# 2021 Annual Update



STORMWATER MANAGEMENT COMMISSION

*SMC's mission is to coordinate the stormwater activities of over 80 local jurisdictions to improve water quality, reduce flood damages, and restore and enhance the natural drainage system.*

**Kurt Woolford**  
**Executive Director/Chief Engineer**

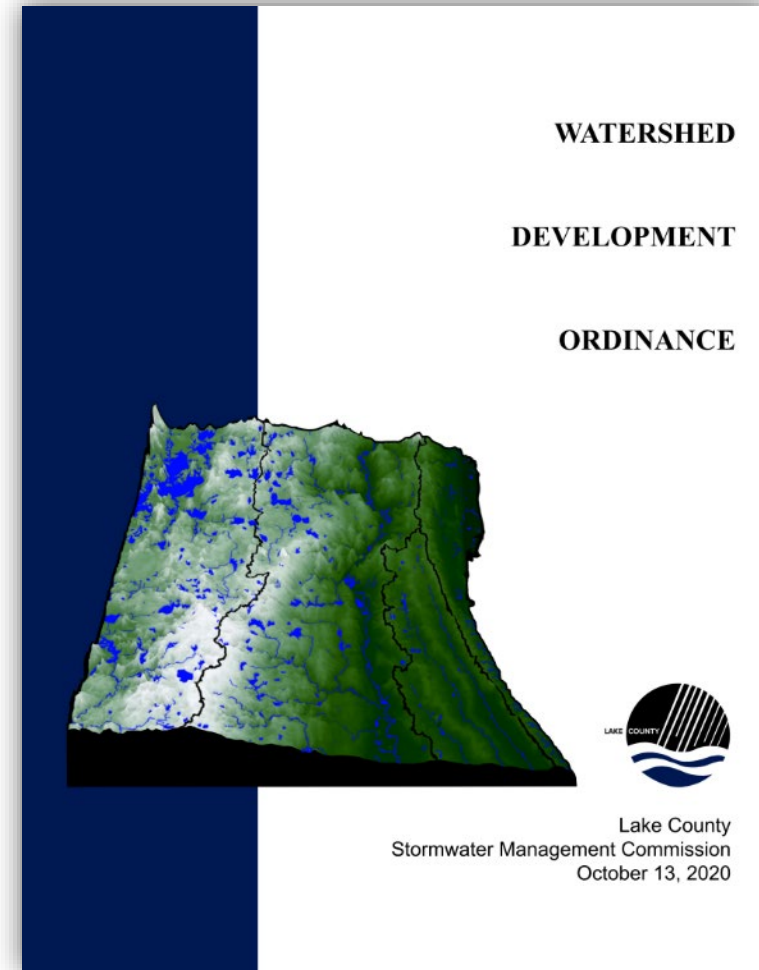
# Regulatory

## 2020 Accomplishments



STORMWATER MANAGEMENT COMMISSION

- WDO Adoption
- Bulletin 75 Rainfall Standards
- Paperless Permitting
  - Online Submittals, Payments, & Digital Reviews
- Fee-in-Lieu Program (FIL 50) Option



# Regulatory

## 2021 Goals



STORMWATER MANAGEMENT COMMISSION

- E-Reviews & BlueBeam Integration
- FIL 50 Community Certifications
- New FEMA Maps & Municipal Adoption
- Waters of the United States (WOUS)  
Isolated Waters of Lake County (IWLC)

A screenshot of the FEMA National Flood Insurance Program website. The page is titled "What flood map updates mean for you". It explains that when a community's flood map is updated, requirements for flood insurance coverage and the cost of the policy can change. Below this, a section titled "How is your property's flood risk changing?" displays three scenarios using circular gauges. The first scenario shows a risk change from Moderate- to low-risk to High-risk. The second and third scenarios show a risk change from High-risk to Moderate- to low-risk and Higher-risk, respectively. At the bottom, a note states that if a community is updating its flood maps, it's important to know the flood risk to take steps to protect property, and provides a link to "Find out" if a community has a flood map update underway.

Visit FloodSmart for Agents

FEMA NATIONAL FLOOD INSURANCE PROGRAM

Search

Buying a Policy ▾ Renewing a Policy ▾ Flood Risks and Costs ▾ Before and After a Flood ▾ Flood Zones and Maps ▾

All About Flood Maps  
My Flood Zone  
Flood Map Updates  
Moving into the High-Risk Zone  
Moving out of the High-Risk Zone  
Increasing Risk from High to Higher  
Elevation Certificates

### What flood map updates mean for you

When your community's flood map is updated to reflect the current risks where you live, requirements for flood insurance coverage and the cost of your policy can change.

#### How is your property's flood risk changing?

From: <b>Moderate- to low-risk</b>	From: <b>High-risk</b>	From: <b>High-risk</b>
To: <b>High-risk</b>	To: <b>Moderate- to low-risk</b>	To: <b>Higher-risk</b>

If your community is in the process of updating its flood maps, it's important to **know your flood risk** so you can take steps to protect your home or business. [Find out](#) if your community has a flood map update underway.



# Engineering

## 2020 Project Administration



STORMWATER MANAGEMENT COMMISSION

Village of Lake Zurich  
Kildeer Creek Restoration Project



**WMB**  
\$841,028  
9 Projects  
4:1

**WMAG**  
\$19,200  
2 Projects  
2:1

Lake Napa Suwe  
Lake Management Plan



**SIRF**  
\$736,631  
4 Projects  
3:1



Ela Township  
Forest Lake Drainage Improvements



City of North Chicago  
Strawberry Condos Drainage Improvements

**STOCIP**  
\$3,721,948  
8 Projects  
3:1



# Engineering

## 2020 Flood Mitigation Projects



STORMWATER MANAGEMENT COMMISSION

### Flood-prone Property Buyout Projects

\$7.3M State & Federal Flood Mitigation Funding

**11** Homes Acquired

**9** Demolished

**29+** Residents Relocated

**15+** Project Partners

Leverage Ratio: 11:1



Severe bluff erosion threatened Beach Park homes along the Bull Creek.

# Engineering

## 2021 Flood Mitigation Goals

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STORMWATER MANAGEMENT COMMISSION

- DCEO Stormwater Capital Improvement Projects
- Beach Park Slope Stabilization Project
- Nippersink Creek Floodplain Risk Assessment
  - Illinois State Water Survey & McHenry County Stormwater Management
- Fox River/Chain O'Lakes Technical Analysis
- Buyouts-12 flood-prone homes County-wide



Beach Park Slope Stabilization Project





# Watershed Planning

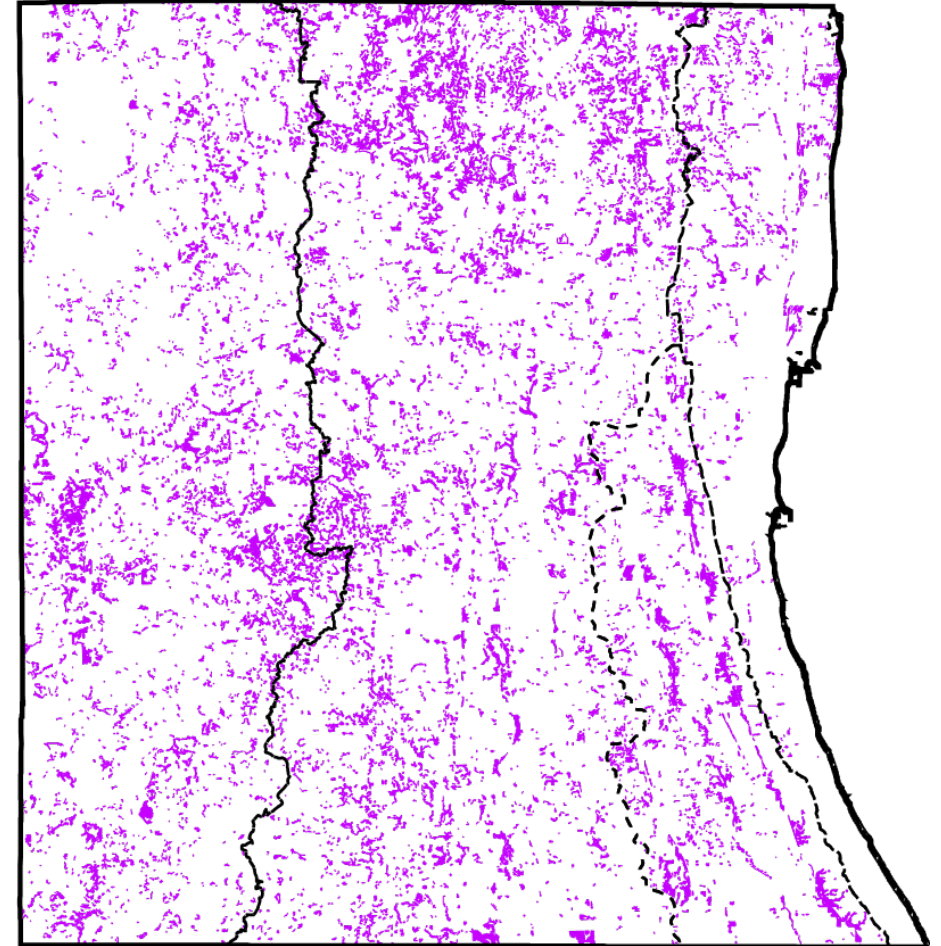
## 2020 Accomplishments



STORMWATER MANAGEMENT COMMISSION

### Wetland Restoration & Preservation Plan

- Adopted November 2020
- Identifies 15,000 acres of potential wetland restoration County-wide
- Mapping application and data intended for wide audience of end users
- Available on SMC website and Lake County Open Data portal



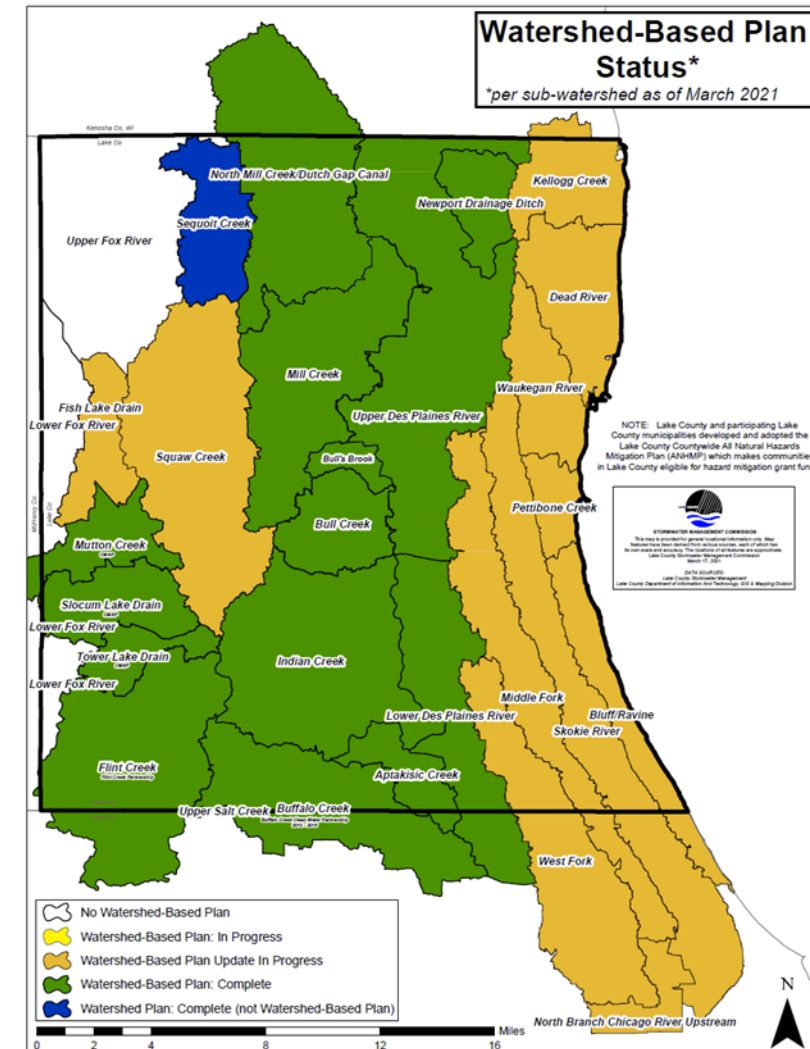
# Watershed Planning

## 2021 Goals



STORMWATER MANAGEMENT COMMISSION

- Squaw Creek & Fish Lake Drain Watershed-Based Plan update
- Complete Lake Michigan & North Branch Chicago River Watershed Plans
- Des Plaines & North Branch Chicago River Watershed Workgroup Coordination





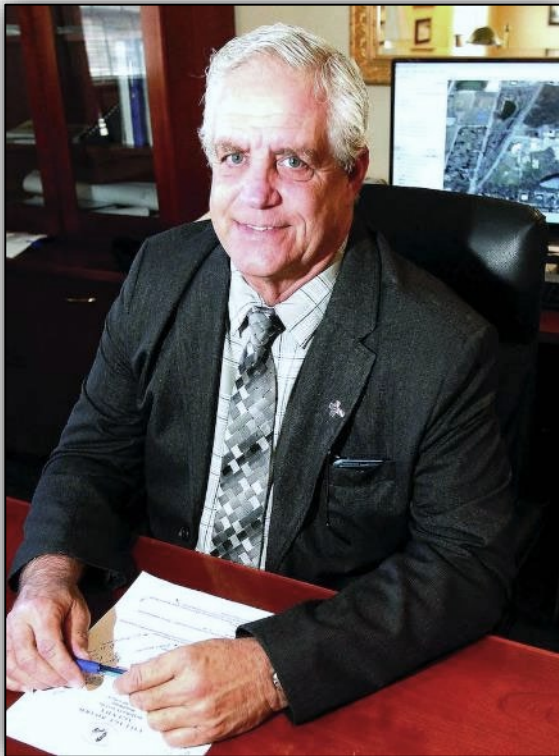
# Department Notes



STORMWATER MANAGEMENT COMMISSION

## New SMC Chairman

Donny Schmit, Fox Lake Mayor



## SMC Retirements

- Craig Taylor, Chairman
- Krysti Kovarik, Vice-Chair  
Gurnee Mayor
- Mike Warner  
Executive Director
- Bob Gardiner  
Principal Permit Engineer





STORMWATER MANAGEMENT COMMISSION

# Questions