

Planning, Building and Zoning
Committee
March 8, 2017



Managing Change for Positive Outcomes



Flood mitigation



Natural drainage
systems
enhancements



Water quality
improvements

2016 Project Leveraging

Funding Ratio
\$4.4:1

\$4.4 for every \$1 of SMC cash and in-kind

\$4,600,000 Total Project Costs

\$1,050,000 SMC Funding and In-Kind

22 Projects Completed

77:1

Project/Program Partnerships

49 Municipalities

5 Park Districts

4 Townships

2 Not-for-Profits

14 Homeowners Associations

County, FPD, FWA

All Natural Hazards Plan Update

Process Summary

- 4 meetings, on-line and emailed surveys, focus groups held
- Received input from all Lake County Municipalities
- Report Finalization Underway



Takeaways

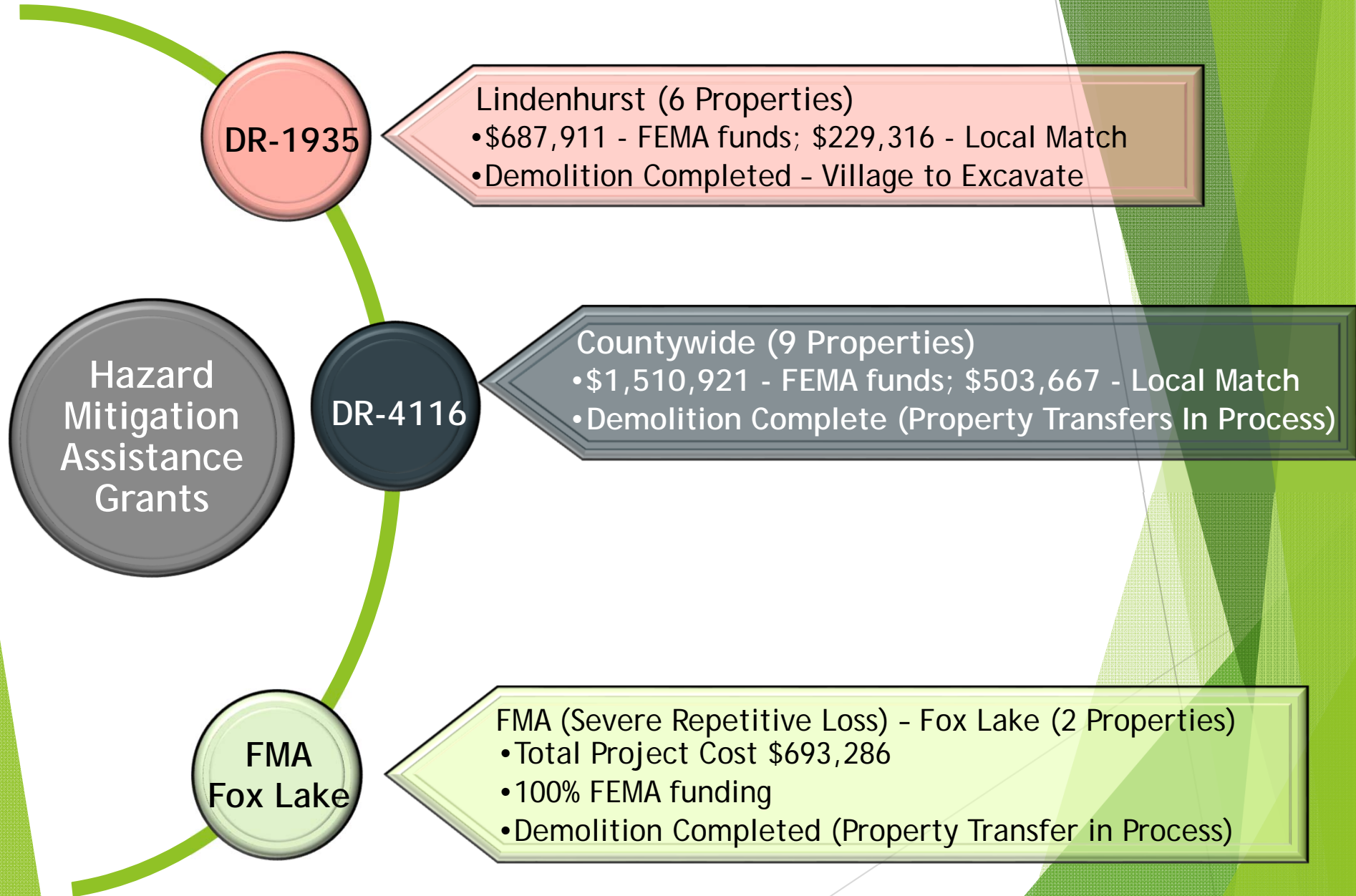
- Flooding and water quality problems continue to be major issues
- Emerging issues include increasing rainfall intensities and amounts
- Need for expanded public education and outreach efforts

Results

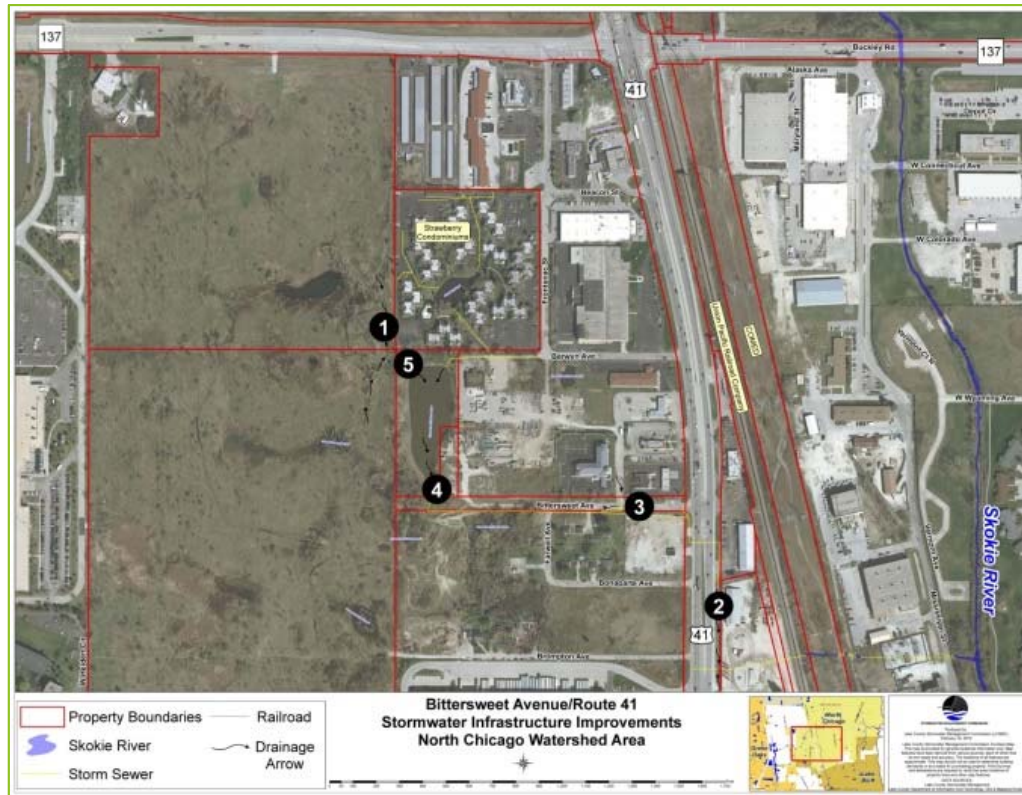
- Eligible for Hazard Mitigation Grants from FEMA/IEMA



Completed Floodplain Buyout Projects



Completed Projects: Strawberry Condo drainage improvements North Chicago



East Skokie
Drainage District



STORMWATER MANAGEMENT COMMISSION

Provides additional storage and flow capacity

- 1 - Flowpath cleanup in wetland mitigation bank
- 2 - Route 41 ditch cleanup by IDOT
- 3 - Stormsewer cleanout along Bittersweet Avenue
- 4/5 - Detention berm/Outlet reconstruction

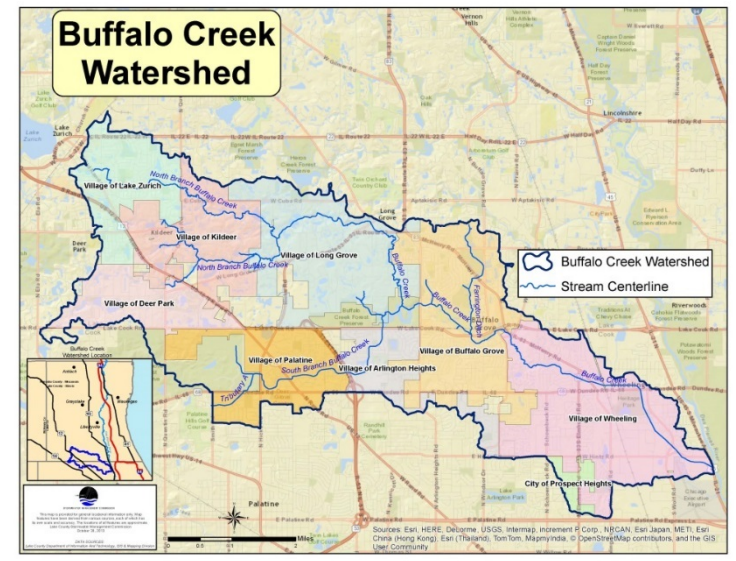
Watershed Planning

Buffalo Creek Plan

- 26 square mile area
- Cook/Lake counties, 8 communities
- 54 flood problem areas identified

Plan adoption by County Board June 2016

Grant expected in 2017 for Buffalo Grove



Des Plaines Mainstem and Tribs Plan+!

2 Small Watershed Action Plans

3 Stormwater Green Infrastructure projects included
Mundelein Park District - Bull Creek stabilization
College of Lake County - Parking Lot Bioswales
LCFPD - Agricultural property buffer strips

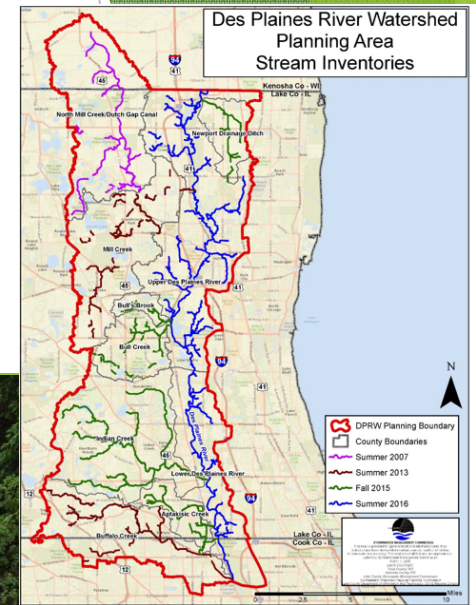
Des Plaines River Watershed Workgroup is
providing critical shared service
component



2016 Stream/Detention Inventory Program Summary

Stream inventories - (9 Factors measured/each segment)

- 98 Miles Completed
- 1022 Discharge Points (pipes/tiles) - 181 potential problems
- 36 Erosion Areas identified
- 2073 Debris Jams - 1553 marked as Obstructing Flow
- 810 Culvert/Bridge Crossings - 92 maintenance recommendations



Detention Basin inventories (40 Factors measured)

- Control structures, inlet/outlet conditions
- Erosion Issues
- 1279 completed, 676 maintenance recommendations
- All data being compiled for on-line access



Wetlands/Watershed Group Support

Wetland Restoration and Preservation Plan

- Provides planning tool for restoring wetlands
- Identifies potential mitigation and restoration sites
- Help target funding and strengthen grant prospects
- Interactive and data intensive on-line tool



Watershed Groups

- Bull Creek-Bull's Brook Watershed Council
- Tower Lakes Drain Partnership (Fox River)
- North Branch Planning Committee
- Diamond Lake Preservation Alliance
- Des Plaines River Watershed Workgroup



Regulatory

❖ Permitting System Integration

- ▶ Go live - March 2017!
- ▶ Provides enhanced:
 - ▶ Process flow
 - ▶ Financial Tracking
 - ▶ Public Record Access



❖ Federal Environmental Policy & Regulation Changes

Stormwater Awards/New Staff

Stormwater Awards Program

- 11th Year!
- Recognizes individuals, communities, groups and others whose efforts reflect SMC's core mission of flood damage reduction, water quality improvements, and natural resource protection and enhancement.



We are excited to welcome two new talented staff to SMC in 2016!



Haley Meents – Associate Communications Specialist: Assists with all communication needs including: website and social media; videography; graphics; and analytics associated with communication efforts.



Ernesto Huaracha – Water Resources Professional: Watershed assessment and planning; program development; surface water monitoring; project planning, design, and construction; grant procurement, public education and outreach

Training: Workshops, Outreach & Education

- Designated Erosion Control Inspector workshop
- Enforcement Officer, Certified Wetland Specialist workshops
- Homeowners Association stormwater facility maintenance workshop
- De-icing Practices Workshop (3 days!)
- Co-sponsored 4 watershed stream clean-ups



DECI workshop at CLC drew 250



HOA workshop participants talked one-on-one with vendors

2017 Major Initiatives

- Complete Comprehensive Stormwater Management Plan
- Des Plaines River Watershed planning and projects
- Wetland Restoration and Preservation Plan completion
- New permitting system implementation
- All Natural Hazards Mitigation Plan Adoption
- New WMB/SIRF projects (17)
- Skokie River wetland/flood storage project

Thank You!