

Presenting the new

Model Stormwater Management Ordinance

for Illinois counties and communities

Brian Eber, CFM
Emily Poynter Jenkins, Ph.D., P.E.

Agenda

Background
Using the Ordinance
Flowchart
Conclusions

Urban Flood Awareness Act Report on:

- Extent, cost, prevalence, policies
 - Strategies to mitigate flooding

Legislation granting stormwater planning and management authority to IL counties





Urban flooding: water entering a building not from a river or creek



Report Recommendation:

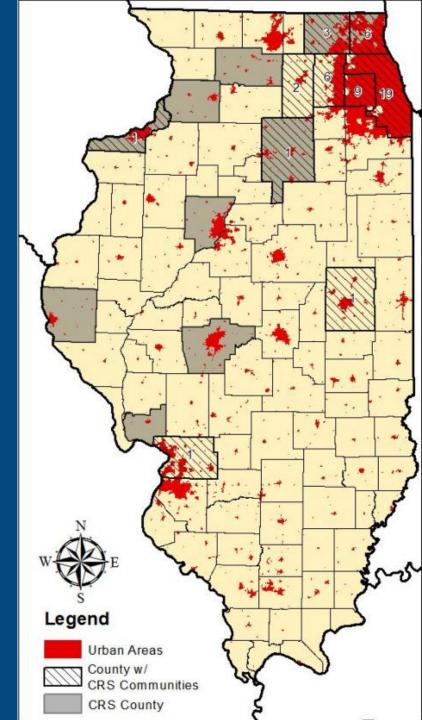
Create a

Model Stormwater Management Ordinance



Who Should Adopt?

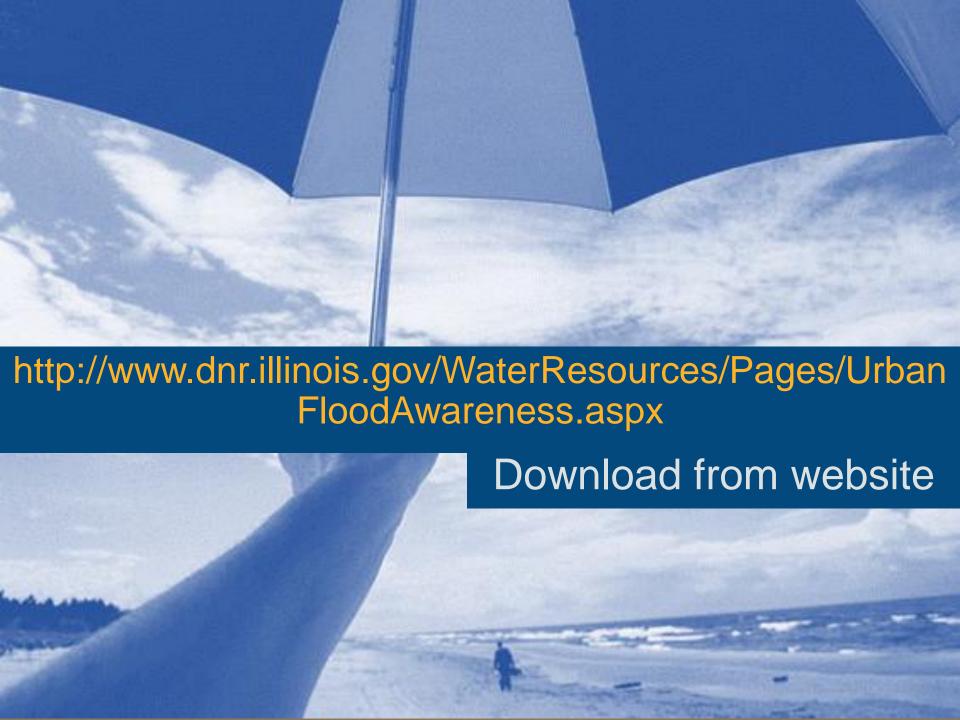
Counties and Communities in Illinois



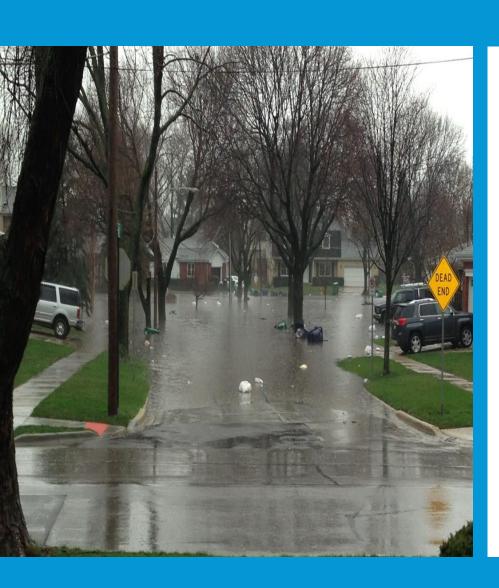


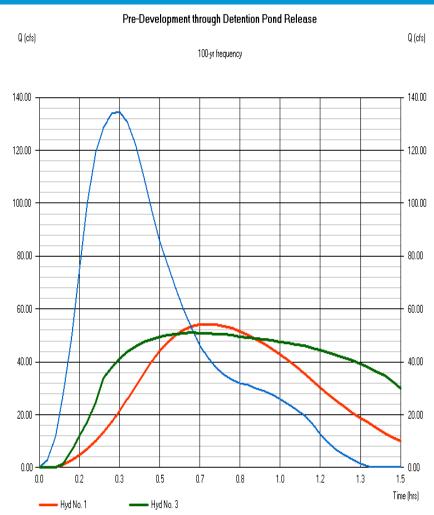
Tailor to your community Stand-alone ordinance or add to existing Ask IDNR/OWR to review



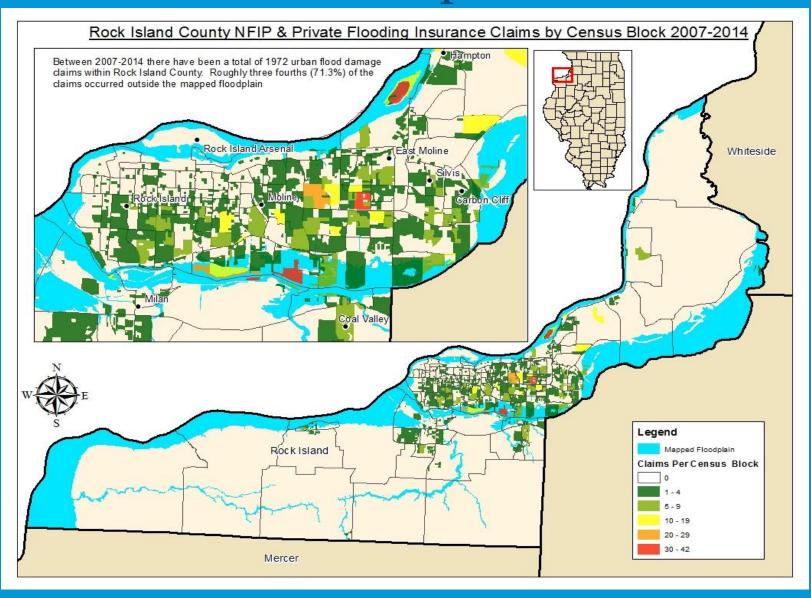


Why Use the Ordinance?





Because the flood claims are from outside the floodplain!!



What Is CRS?



VOLUNTARY FEMA Incentive Program

Administered by Insurance Services Office (ISO)

Communities are rewarded for engaging in activities that exceed minimum NFIP standards

19 creditable community activities

10 Class system

Each class = 500 points = 5% insurance premium discount

Benefits of CRS Program

Residents

Discounted insurance
Less stressful disasters
Better educated
Reduced flood damage



Community

Organized programs
Free assistance
No economic disruptions
Reduced flood damage

CRS: Community Rating System

Model ordinance: strong CRS score

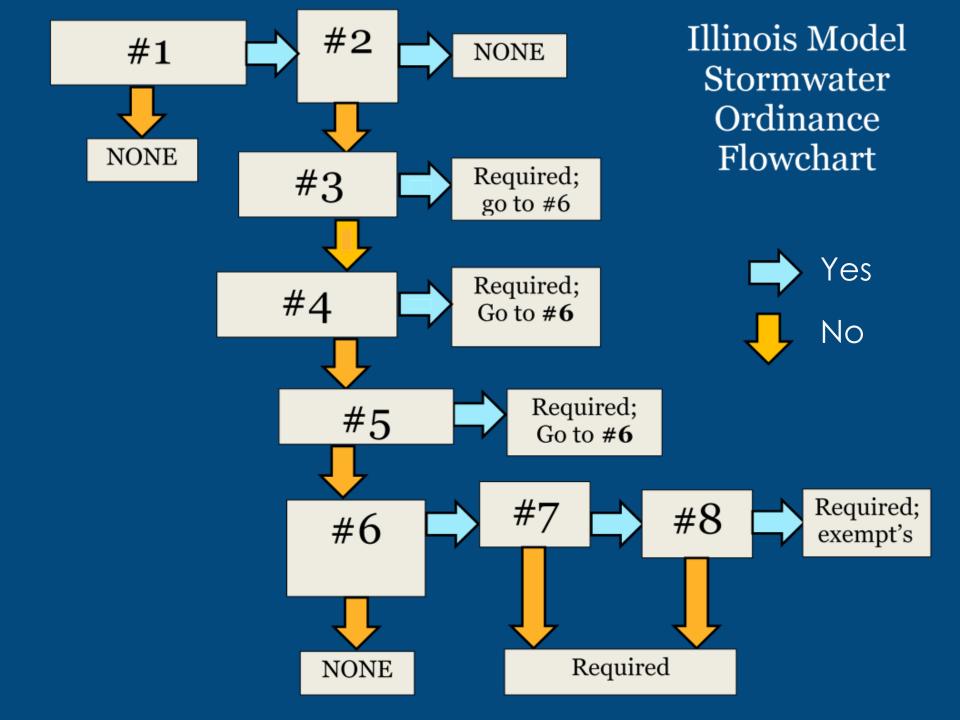
(300-450 pts)

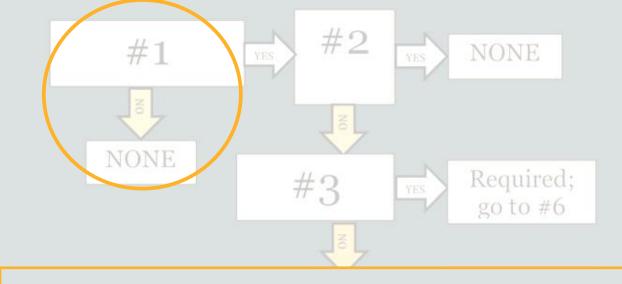


National Flood Insurance Program

Community Rating System

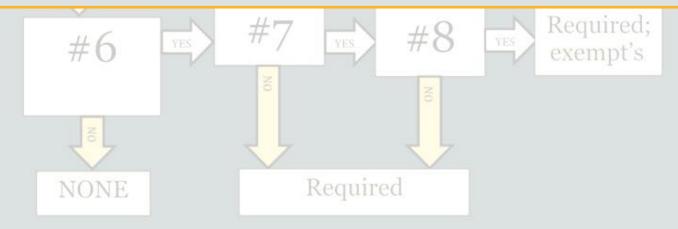


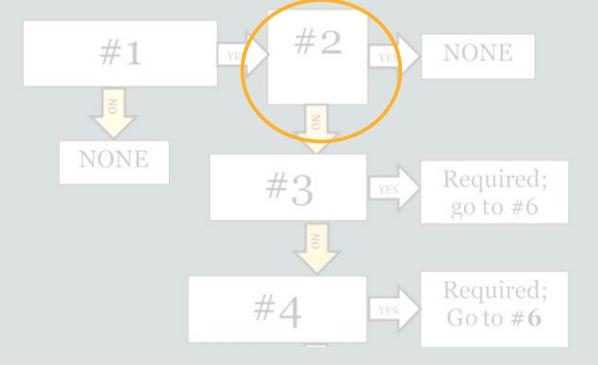




#1: Development?

Any man-made change to real estate





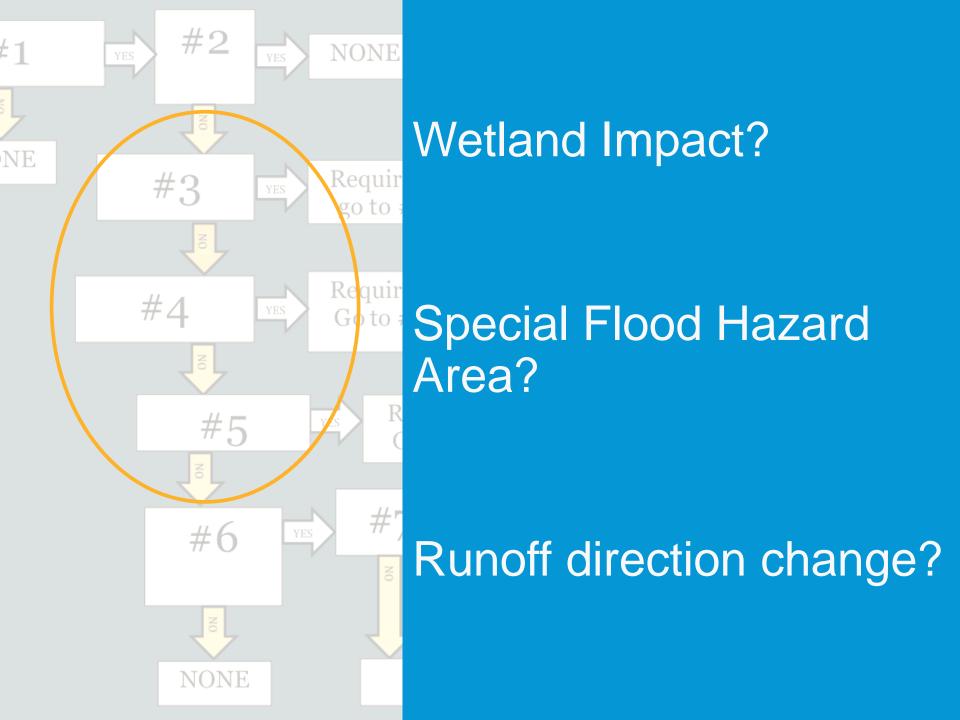
#2: Exempted Development?

Agricultural activity

Forest management, timber operations

Less than 5,000 ft² of land

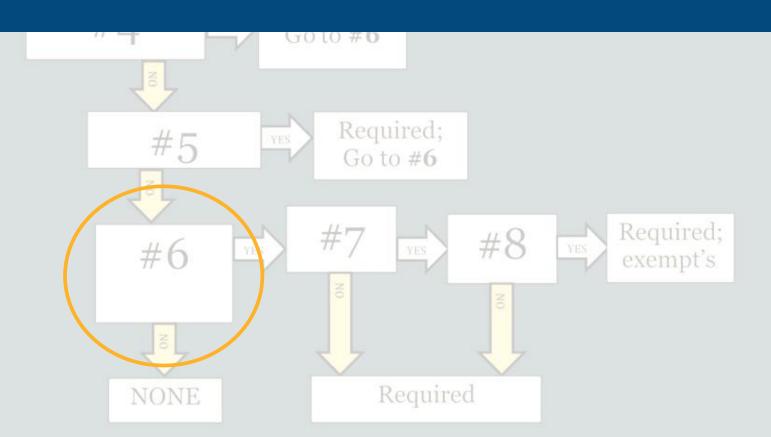
Conservation plan practices



#6: Area of Disturbance

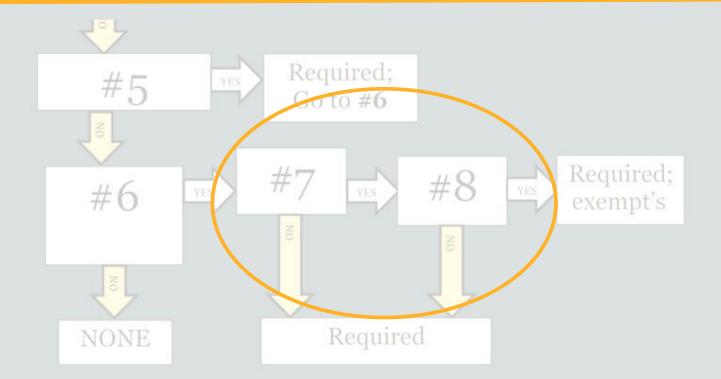
Disturbs $> 5,000 \text{ ft}^2$

Or adds > 5,000 ft² impervious area



Public Road?

Less than 1.0 ac or 1.0 ac/mi?



- 502. Water Quality and Volume Controls
- 503. Site Runoff Controls
- 504. Detention Facilities
- 505. Non-Structural BMPs
- 506. Stormwater Conveyance Systems
- 507. Buffer Areas
- 508. Soil Erosion and Sedimentation Control
- 509. Floodplain Management
- 510. Wetland Provision

Water Quality, Volume Control



First 1" from new impervious

Meadowbrook Church rain garden Champaign, IL

