



Dive into Our Water Ways

1. IDENTIFY THE CONTEXT

8 DAYS of extreme rain events annually by 2100, up from 5 historically.

6 MORE INCHES of rain per year to date compared to 60 years ago.

2. UNDERSTAND THE TOOLS

TREATMENT AND TRANSPORT OF EVANSTON WATER

- Evanston storm and wastewater goes through three sewer systems—the Combined, Relief, and Storm Systems.
- The Combined Sewer System carries both sanitary sewage and surface runoff in typical rain events to the Metropolitan Water Reclamation Plant in Skokie to be processed and treated.
- The Relief Sewer System carries storm water and overflows from the combined sewer system to the Metropolitan Water Reclamation District deep tunnel system.
- The Storm Sewer System is only utilized during rain events to take storm water from the street to Lake Michigan or to the North Shore Channel.
- The North Shore Channel is mainly utilized as a place for storm water overflow and is home to a multitude of aquatic wildlife.

BIODIVERSITY

The variety of life that can be found in a habitat on Earth including plants, animals, fungi, and microorganisms.

COMBINED SEWER OVERFLOWS (CSOs)

Combined Sewer Overflows (CSOs): Combined sewers are designed to collect rainwater and snowmelt runoff, domestic sewage, and industrial wastewater. During periods of heavy rainfall or snowmelt, wastewater volume can go above the capacity of combined sewers causing that wastewater to overflow into bodies of water.

GREEN INFRASTRUCTURE

A way to manage rainfall and snowfall by reducing and treating storm water at its source while providing environmental, social, and economic benefits.

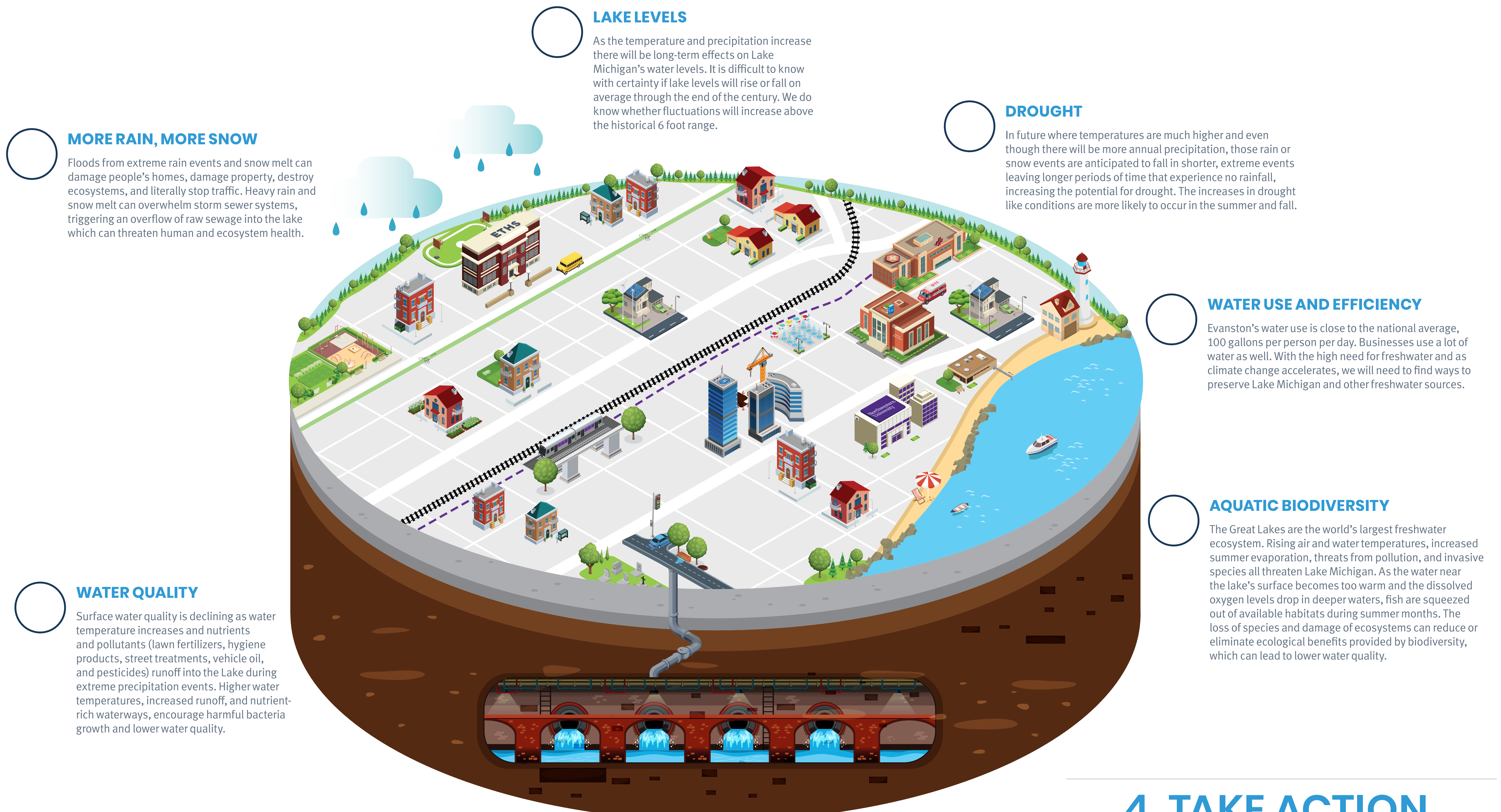
PERMEABLE PAVEMENT

An alternative pavement made out of material that allows rain and snowmelt to seep through the surface down to underlying layers of soil and gravel.

STORM WATER RUNOFF

Rainfall and snowfall that flows over and off surfaces such as roads, driveways, rooftops, and flow into sewer systems that may be transferred into bodies of water.

3. EXPERIENCE THE SYSTEM



4. TAKE ACTION



Chris Essex



NLC NATIONAL LEAGUE OF CITIES