

# The Distribution of Water Use in Illinois

Illinois State Water Survey

More than 1,300 communities in Illinois rely on different sources of water for municipal, industrial, and residential use. Sources of water throughout the state include Lake Michigan, inland surface waters such as rivers and reservoirs, groundwater, or a combination of sources. Communities may also purchase water from other communities or from public water distributors, which include private companies, water commissions, water districts, or water agencies.

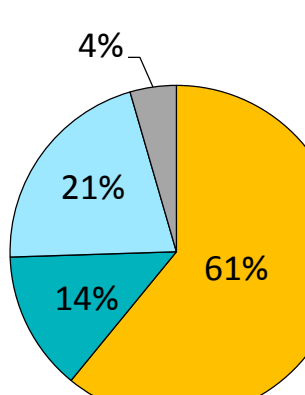
This map depicts the complexity of where communities get their water and the network of water purchases throughout the state for the year 2012. Municipalities and public water distributors are colored-coded according to the source of water they use. The purchase network depicts transactions between communities or public water distributors with arrows going from seller to purchaser.

Some communities extract water from their own wells or intakes (withdrawn water), or buy water from another community or public water distributor (purchased water), or may have a combination of withdrawn and purchased water. In 2012, over 1,510 million gallons per day (mgd) were withdrawn for public consumption. Data for this map were gathered by the Illinois Water Inventory Program, which has tracked water use at high-capacity community wells and intakes (over 70 gallons per minute) throughout the state since 1979.

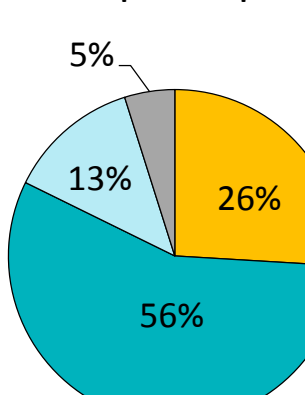
Map compiled by Daniel R. Hadley, Joanna A. Krueger, George S. Roadcap, and Conor R. Healy.

## Summary of Water Use

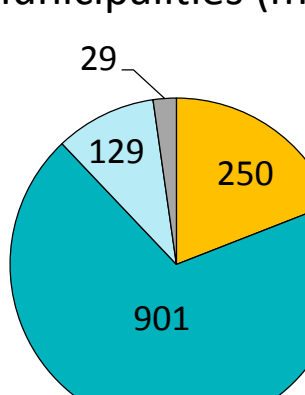
Percentage of Municipalities



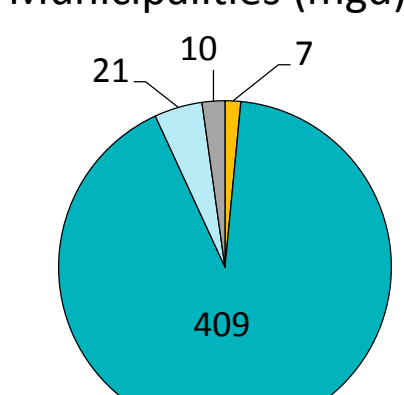
Percentage of Municipal Population



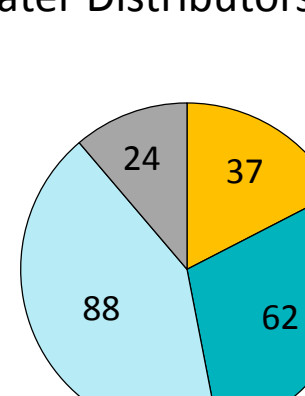
Withdrawn by Municipalities (mgd)



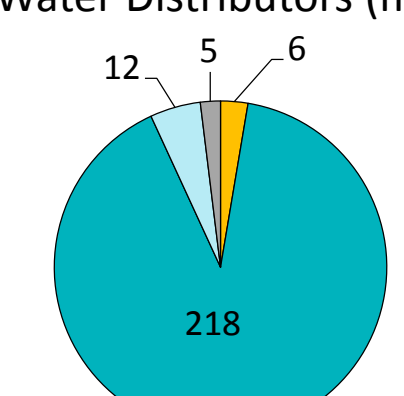
Purchased by Municipalities (mgd)



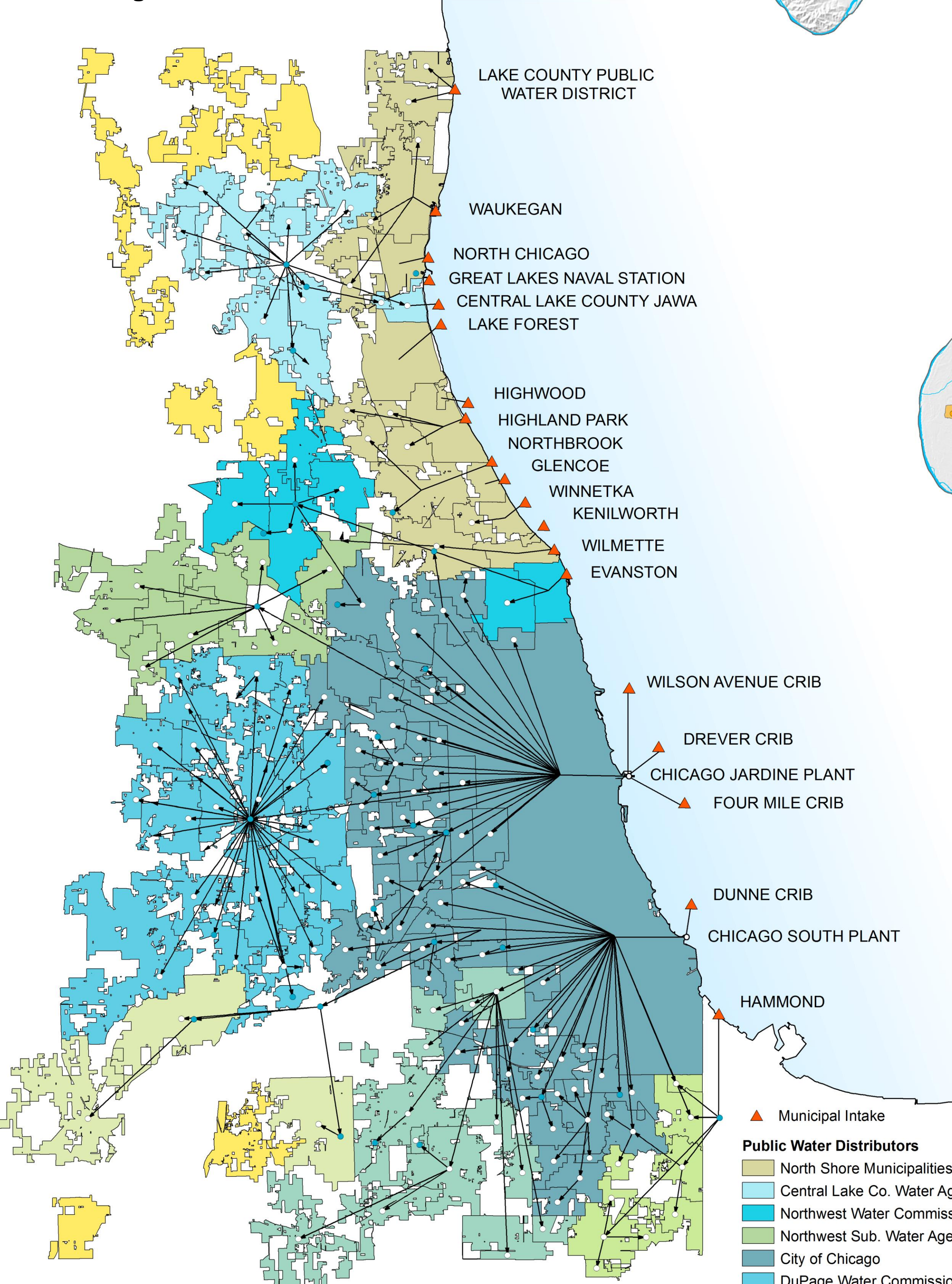
Withdrawn by Public Water Distributors (mgd)



Purchased by Public Water Distributors (mgd)



## Lake Michigan Distribution Network



Funding for this map was provided by the Illinois Department of Natural Resources. The technical content of the map is the responsibility of the author(s). The user assumes all liability for the interpretation and use of the map. Map projection in Lambert Conformal Conic NAD27

**Data Sources:**  
Illinois Water Inventory Program, at <http://www.isws.illinois.edu/gws/iwip/>  
ESRI USA Census Populated Places for 2012, at <http://www.esri.com/data/data-maps>  
National Elevation Dataset (10 meter), at <https://nationalmap.gov/elevation.html>  
National Hydrography Dataset Plus V2.1, at [http://www.horizon-systems.com/NHDPlus/NHDPlusV2\\_home.php](http://www.horizon-systems.com/NHDPlus/NHDPlusV2_home.php)

## Explanation of Symbols

- County Boundary
- Major River | Stream
- Lake | Reservoir
- Purchase Network**
  - Municipal Node
  - Water Purchase
- Public Water Distributors**
  - Lake Michigan
  - Inland Surface Water
  - Groundwater
  - Mixed Source
- Municipal Water Use**
  - Lake Michigan
  - Inland Surface Water
  - Groundwater
  - Mixed Source

