

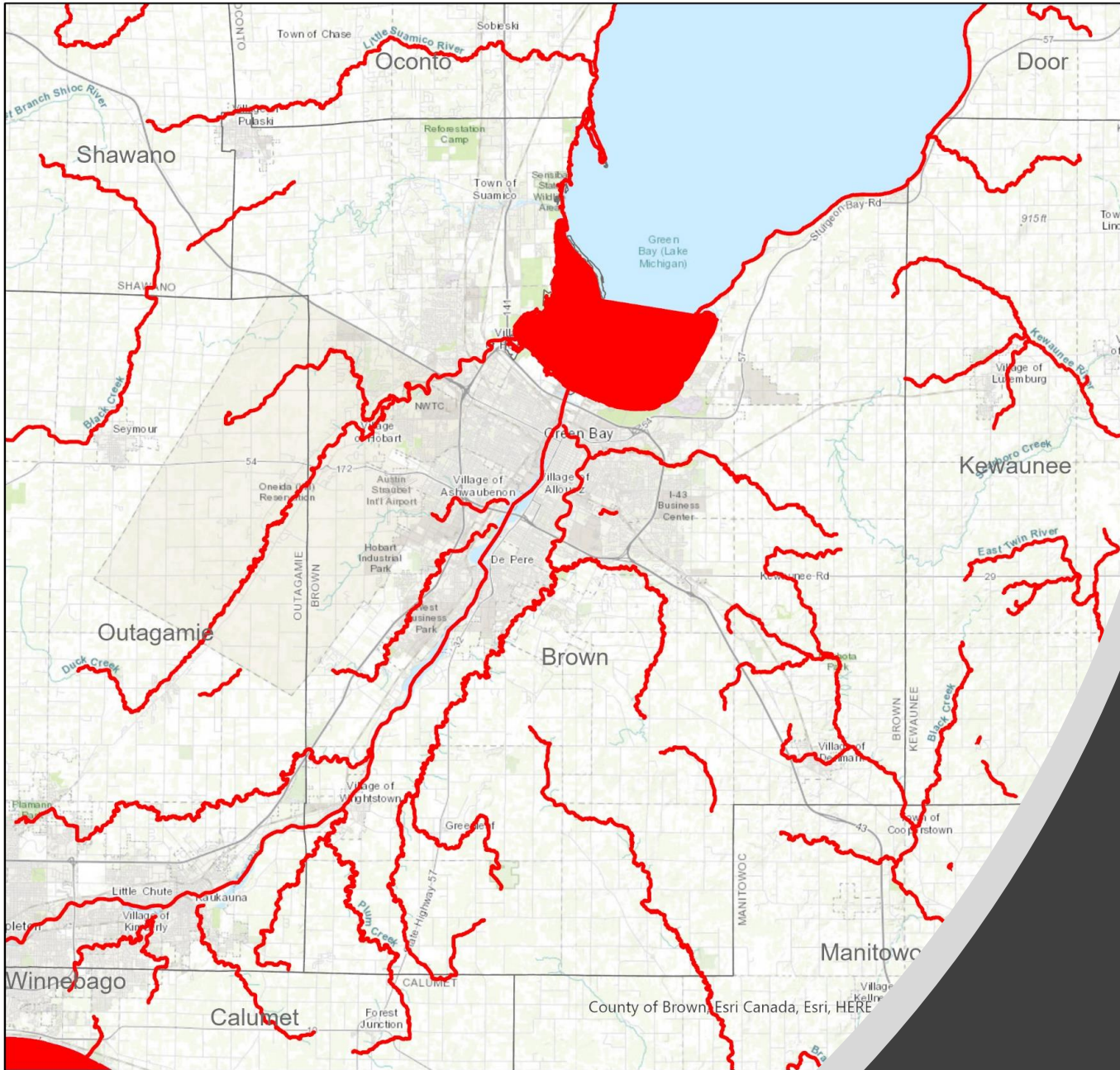
# 5-Year Land & Water Plan Update 2016-2020

Brown County Land & Water Conservation Department

Mike Mushinski, County Conservationist

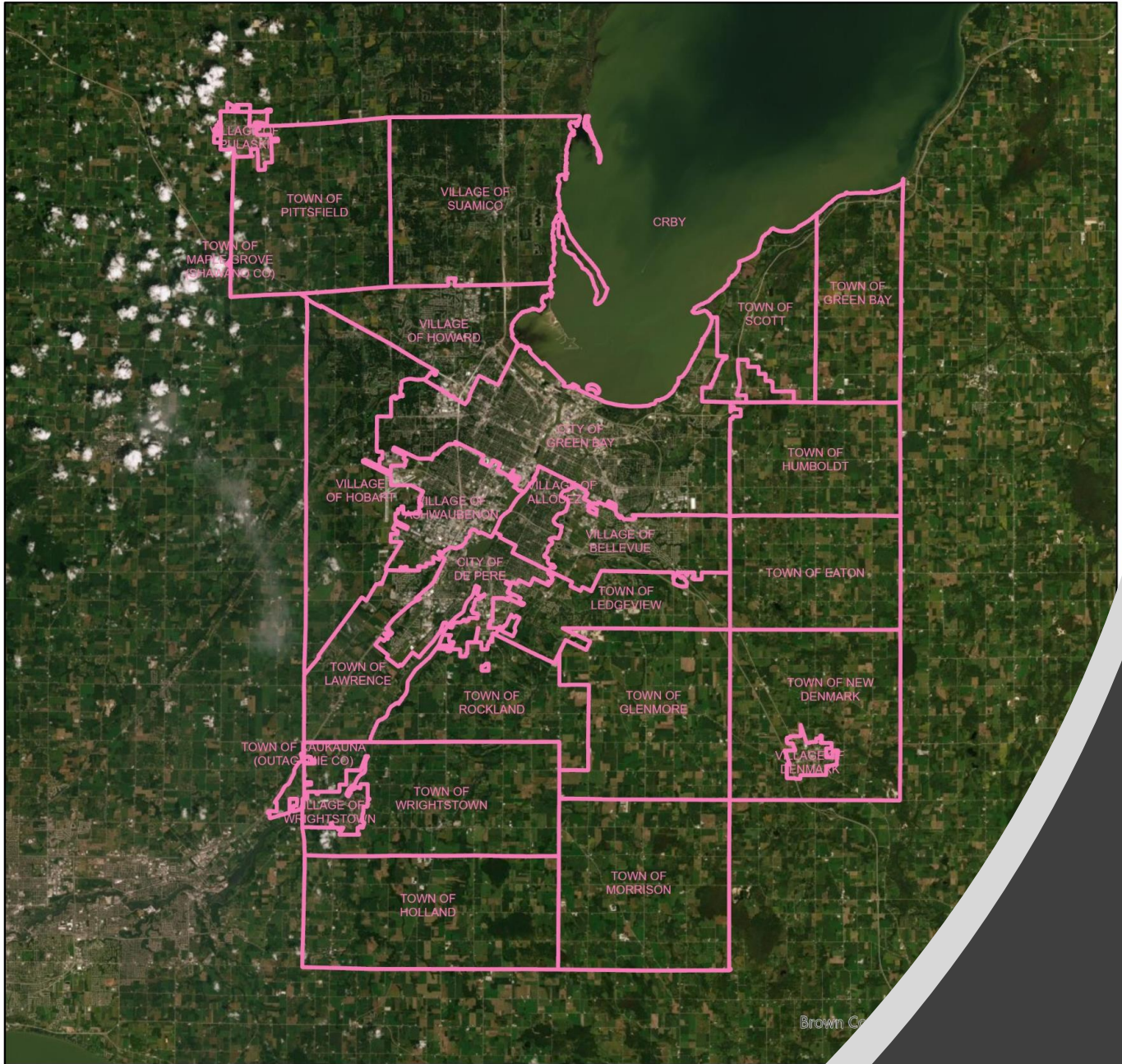
Land Conservation Committee:

Norb Dantine, Stan Kaczmarek, Amanda Chu, Tom Friberg, Dave Landwehr, Ray Suennen



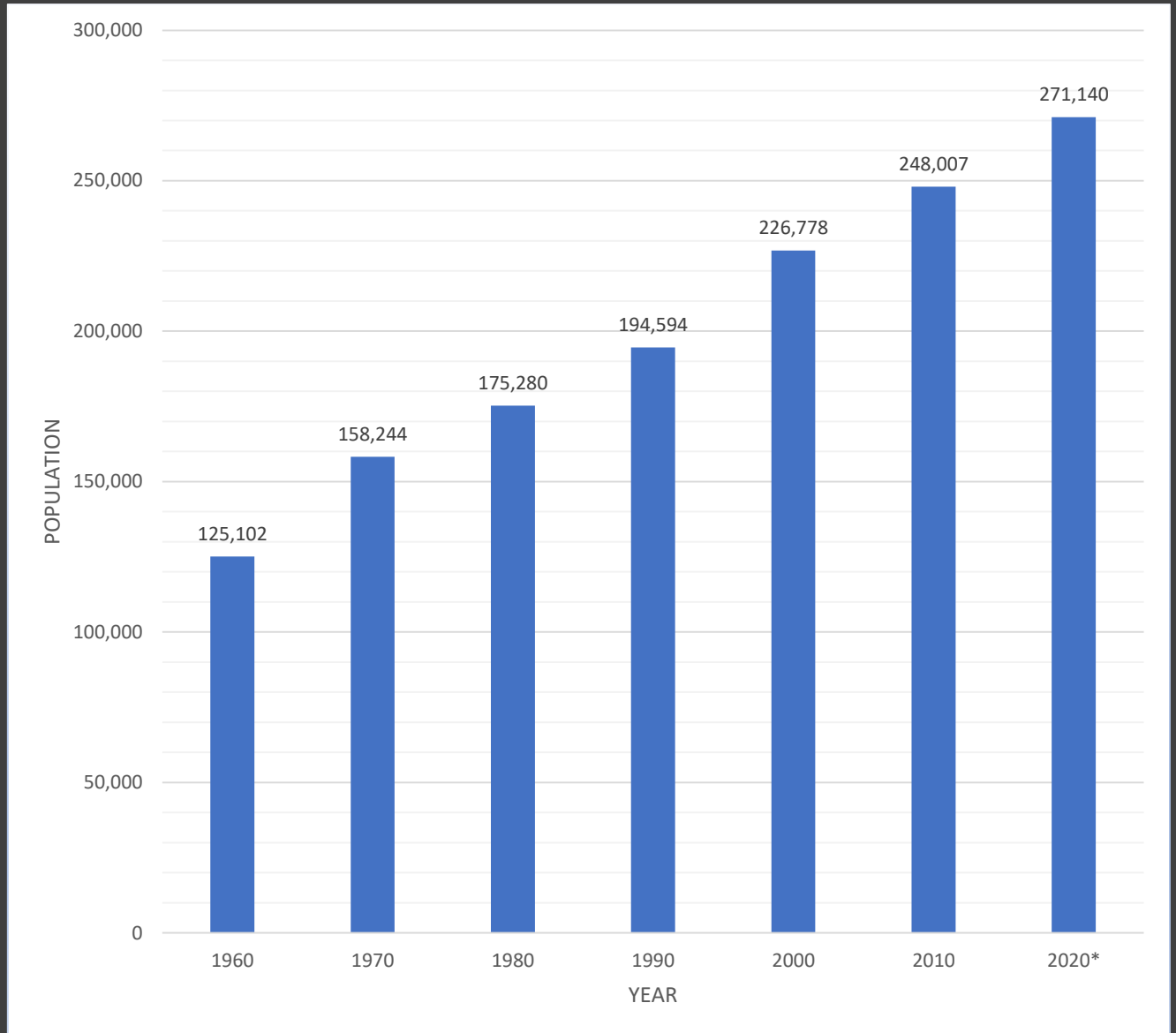
# Impaired Waters





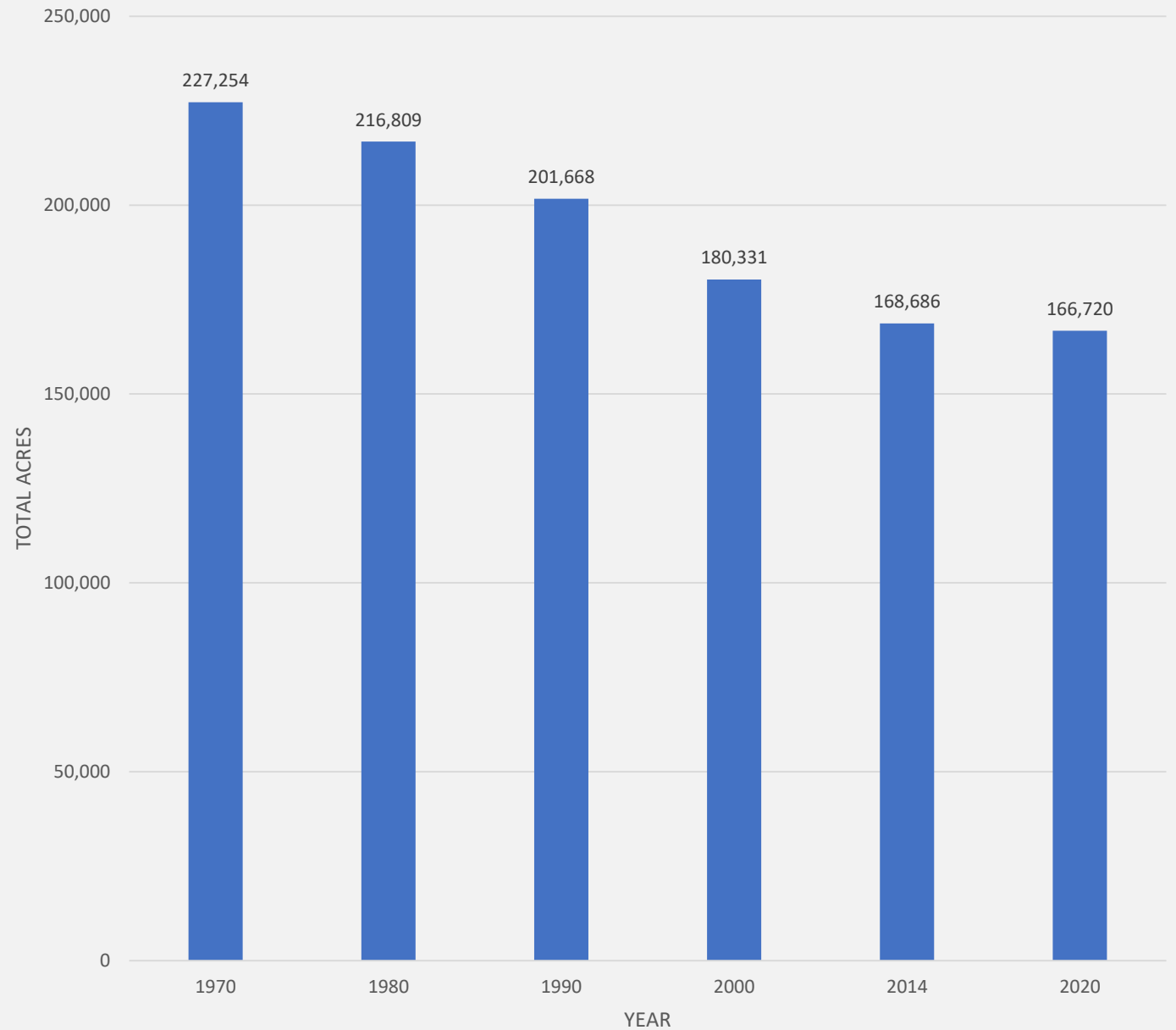
# Municipalities

# BROWN COUNTY POPULATION TRENDS



Source: U.S. Census of Population, 1960-2010. \*2020 population estimates from Wisconsin Department of Administration Demographic Services Center

# Farmland in Brown County



Source: Brown County Land Use Inventories; does not include farm buildings.





# Brown County Agriculture Statistics

- 125,000 head of cattle
- 21 CAFO's
- 900,000,000 gallons of manure/waste
- Manure Digesters/Processing





# Cropland Challenges

- Heavy clay soils
- Corn silage
- Liquid manure applications
- Silurian Bedrock



# 5 Year Review 2016-2020

- Pike Habitat Restoration
- Animal Waste Management Ordinance
- Working Lands Initiative
- Lower Fox Demonstration Farms Network
- NDTI

Brown County

10-Year

Land and Water Resource

Management Plan



December 2016





# Pike Habitat Restoration

- 6.2 miles of installed buffer/stream miles opened
- 13.4 acres of critical habitat/wetland restorations installed
- 14 impediments removed
- Funding sources



# Northern Pike Monitoring

- 116 sites monitored for adult spawning and young-of-the-year







# Animal Waste Management Ordinance

- 147,147 acres of NMP reviewed annually
- 153 farm inspections (>500 AU)
- 324 winter spreading plans issued
- 123 complaints investigated
- 89 construction practices installed



An aerial photograph of a rural farmstead with green fields, a road, and various farm buildings. A large, semi-transparent circular overlay is positioned on the left side of the image, containing the title and a list of statistics.

# Working Lands Initiative

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- 59,227 acres walked
- 356 schedules of compliance developed
- 185 sediment and phosphorus reduction practices installed
- 546 certificates of compliance issued



- 20 field day events
- 32 presentations at regional water quality conferences
- 22 group tours
- 18 farm participants



# LOWER FOX

Demonstration Farms Network



# Cover Crops and No-Till

## Environmental Benefits

- Soil health
- Phosphorous/Sediment
- Carbon storage
- Increased water infiltration
- Beneficial insect populations

## Economic Benefits

- Fuel usage
- Time/labor
- Equipment wear
- Carrying capacity, harvest
- Forage



# 2020 Fall Field Coverage

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- 21,396 acres of cover crop
- Historically 13,000 acres of wheat planted annually
- 53,433 acres alfalfa
- 58% of ag land covered

