



Department of
Environmental Quality

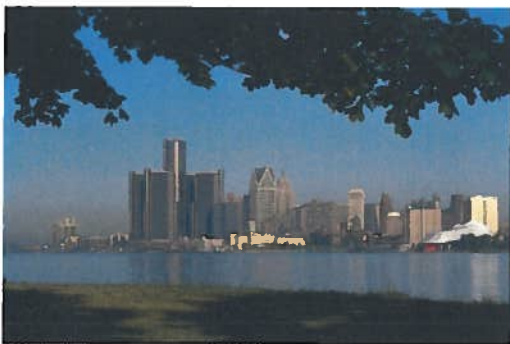
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Amy Epkey
Chief Financial Officer

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Water's Importance to Michigan

- 4 Great Lakes; 11,000 inland lakes; 36,000 river miles; 6.5 million acres of wetlands
- Grow businesses and industries
- Expand agriculture to meet growing food demands
- Live, work and play





Division Organization

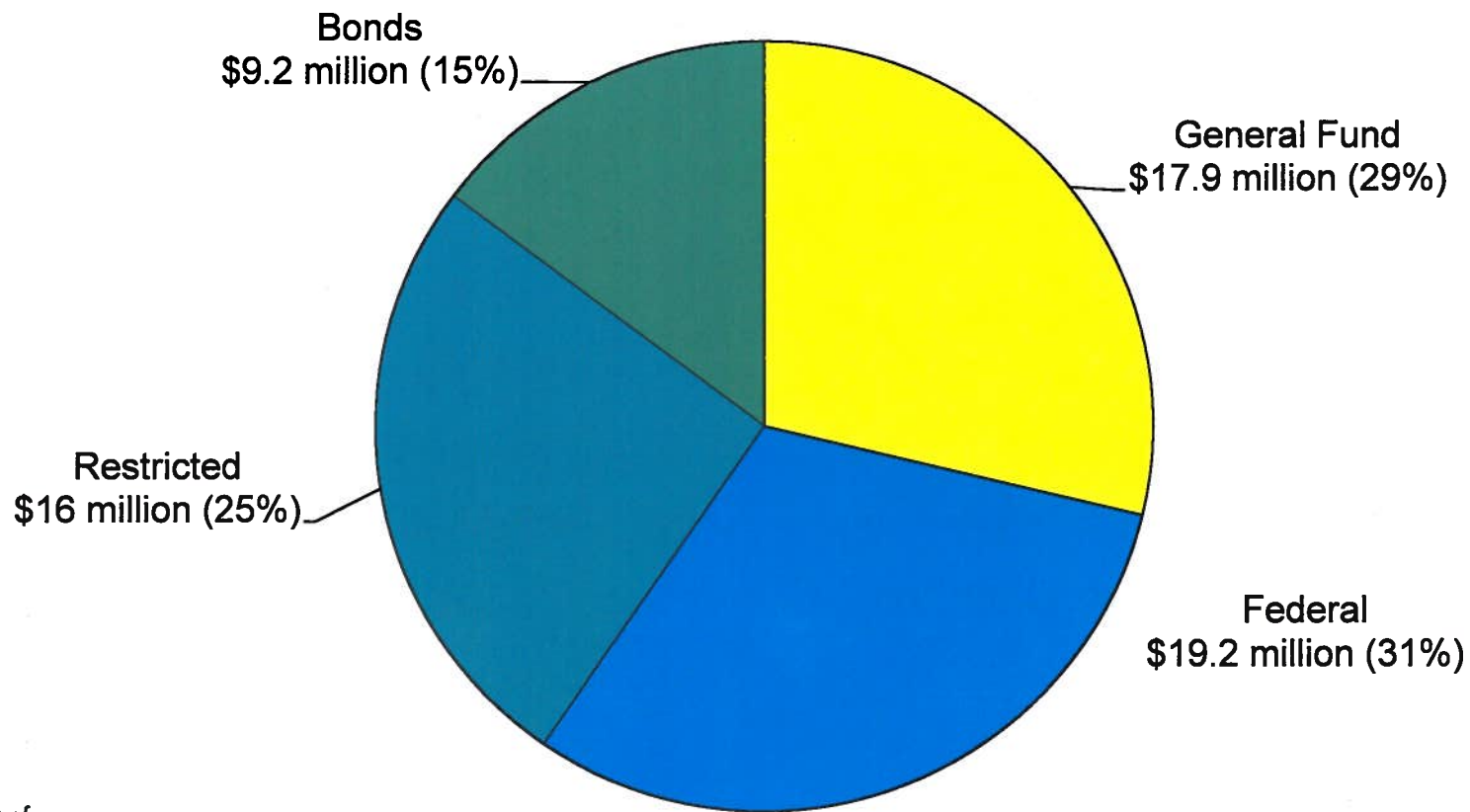
- Water Resources
 - Wetlands
 - Great Lakes
 - Dune permits
- Surface Water Quality
 - Beach monitoring
 - Nonpoint source pollution
- Groundwater Discharge
- Aquatic Invasive Species

2016 Priorities

- Ensure best management of water resources
- Improve water quality
- Protect against invasive species



Funding Sources



Total - \$62.3 million



Fee Sunsets

- Water Resources
 - Ordinary High Water Mark Establishment Fee
 - Floodplain Application Fee
 - Submerged Lands Application Fees
 - Great Lakes Shoreline Permits Fee
 - Pre-Application Meeting Fee
 - Inland Lakes and Streams Application Fee
- Surface Water Quality
 - Surface Water Discharge Fee
 - Storm Water Discharge Fee
 - Sewer Expedited Permit Fee
- Groundwater Discharge Permit



Water Resource Fee Sunsets

- Consolidated permit application fees
- Includes 6 separate fees
- \$50 - \$2,000 per fee
- Paid by permit applicants – utilities, drain commissioners, agriculture and other businesses, property owners
- Michigan one of only two states to assume 404 program (wetlands, inland lakes, streams)



Water Resources

- Maintain state management of our resources
 - Ensure best management of Michigan's water resources while growing our economy
 - Implement Wetlands Program and PA 98 of 2013
 - Conduct agricultural wetlands outreach



Surface Water Quality Fee Sunsets

- Includes surface water discharge, storm water discharge and sewer expedited permit fees
- Paid by anyone discharging wastewater – municipalities, businesses, CAFOs, construction sites
- Includes both application and annual fees
- \$75 - \$213,000 (DWSD)
- Funds major water pollution control activities



Surface Water Quality

- Improve water quality to support recreational and commercial uses
 - Significant increase in wet weather events and storm intensity
 - Address raw sewage discharges through NPDES Program and make 90% of permits current (present = 65%)
 - Mobile and efficient workforce – building on MiWaters



Surface Water Quality

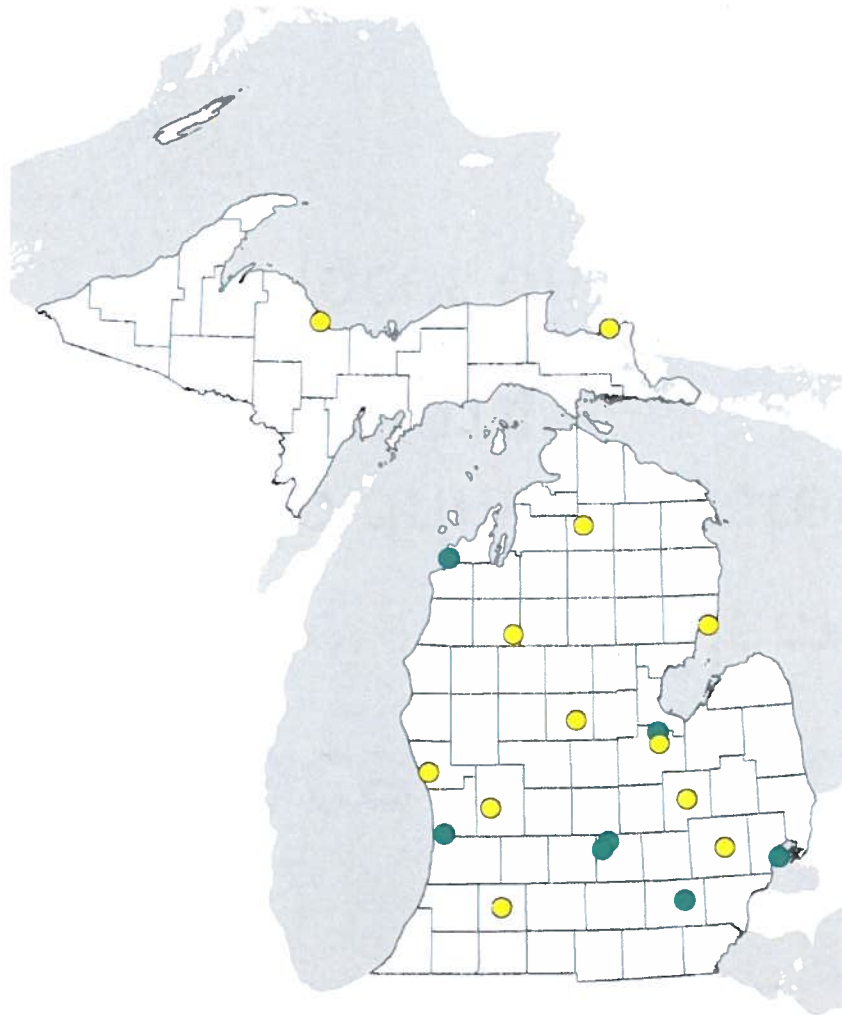
- Ensure “Pure Michigan” recreational experience for current and future generations:
 - Real-time beach monitoring
 - Development and implementation of watershed plans
 - Beaches always open

Surface Water Quality – Beach Monitoring

- Builds on 2014 real-time monitoring pilot at Metro Beach
- Uses eDNA technology
- Partner with local health departments & MSU
- Labs statewide
- Know it is safe before swimming!



Surface Water Quality – Beach Monitoring



Rapid Testing Labs

- Existing QPCR Labs
- New QPCR Labs

Surface Water Quality – Lake Erie

- Reemerging problem: Harmful algal blooms
- Toledo drinking water supply shut down in August 2014
- FY16 focus on HAB monitoring technology





Groundwater Discharge Fee Sunset

- Charged on about 1,000 wastewater discharges to groundwater annually
- Paid by small municipalities, businesses, food processors
- \$200 - \$3,650 annual fee
- Protects drinking water



Groundwater – Water Use

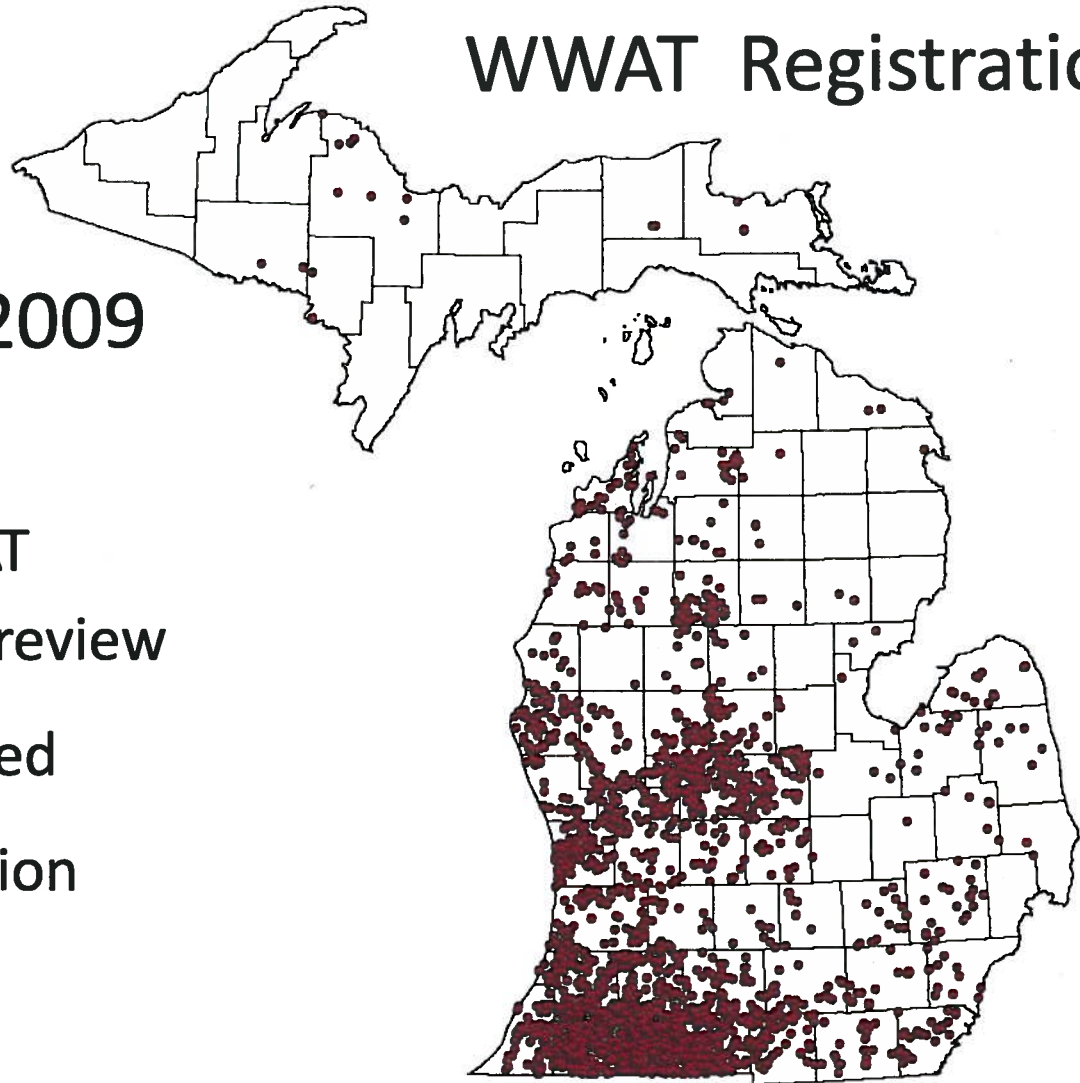
- Ensure best management of Michigan’s water resources while growing our economy
 - Refine Water Withdrawal Assessment Tool
 - Document methods for data collection
 - Provide tools for communities to resolve conflicts
- Water Use Advisory Council report issued December 2014
 - Includes short- and long-term projects and strategy

Groundwater – Water Use

WWAT Registrations

LQW since 7/9/2009

- 3,151 requests
- 2,172 passed WWAT
- 979 required staff review
- 15 have been denied
- 92% are for irrigation



Aquatic Invasive Species

- AIS cost the Great Lakes region \$5.7 billion per year
- State Management Plan
- Quality of Life departments' proposal





DEQ Guiding Principles

- Leaders in environmental stewardship
- Partners in economic development
- Providers of excellent customer service



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