

# Tyco Fire Technology Center Actions and Path Forward

*2019 Speakers Task Force on  
Water Quality  
08.29.2019*

***tyco***  
*Fire Protection Products*

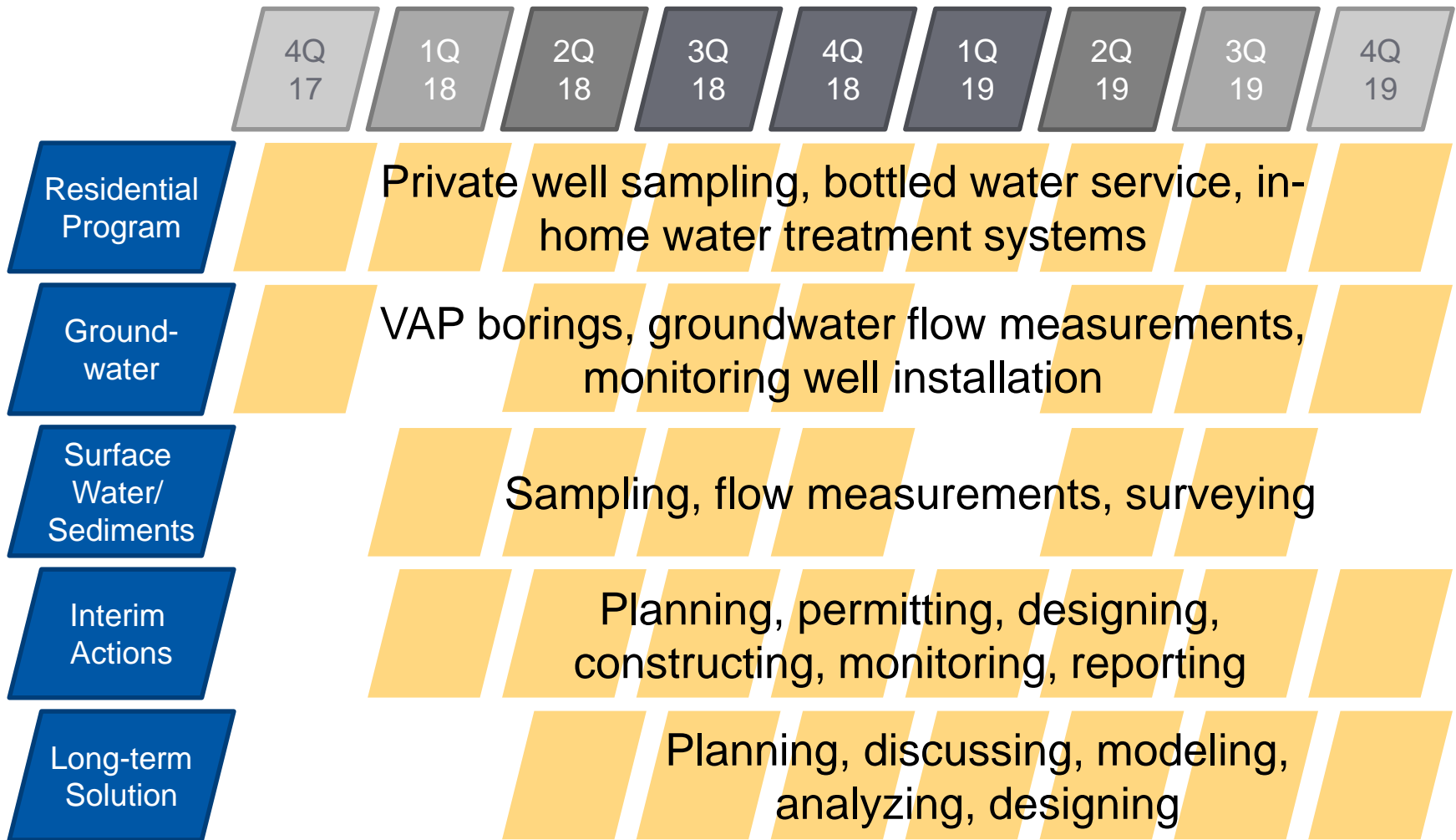
# Tyco's Commitment

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- Our highest priority is providing a long-term drinking water solution
- Driving hard to install a municipal water line as the most efficient way to meet the clean water needs of the local community
- Applying best in class solutions to investigate and remediate
- Working with the Wisconsin DNR/DHS, local officials, and residents

**Transparent | Responsive | Grounded in Science and Data**

# 2017 – 2019 Timeline



# Actions To Date

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- Analyzed **2,781** total samples
- Used mobile laboratory on-site for immediate analysis for **70** initial samples
- Operated multiple drill rigs simultaneously
- Collected **123** surface water samples
- Conducted outreach survey to determine community preferences
- Delivered **3,500+** results letters, updates and invitations to residents
- Participated in **100+** municipal and private residential meetings
- Treated over **18,756,000** gallons of water in Ditch A
- Collected **319** groundwater samples from **53** VAPs since November 2017
- Collected soil samples from **26** VAP intervals
- Sampled **171** private drinking water wells
- Analyzed **2,285** drinking water samples
- Installed and maintained **39** in-home water treatment systems
- Managed over **2,700** calls on the toll-free number
- Applied for **27** approvals, permits and authorizations
- Installed monitoring devices at **11** locations along ditches A and B

# Data-driven Solutions

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## 1. Investigate

- Groundwater samples
- Drinking water samples
- Surface water and sediment samples
- Soil samples

## 2. Assess

- Data analysis
- Option analysis
- Engaging with WDNR and municipalities

## 3. Take Action

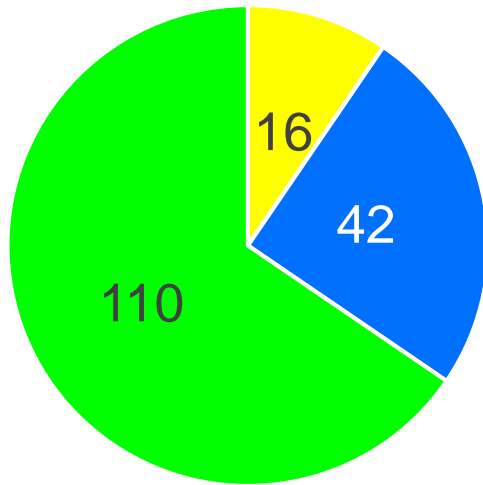
- Bottled water
- In-home water treatment systems
- Interim action – ditches
- Municipal water



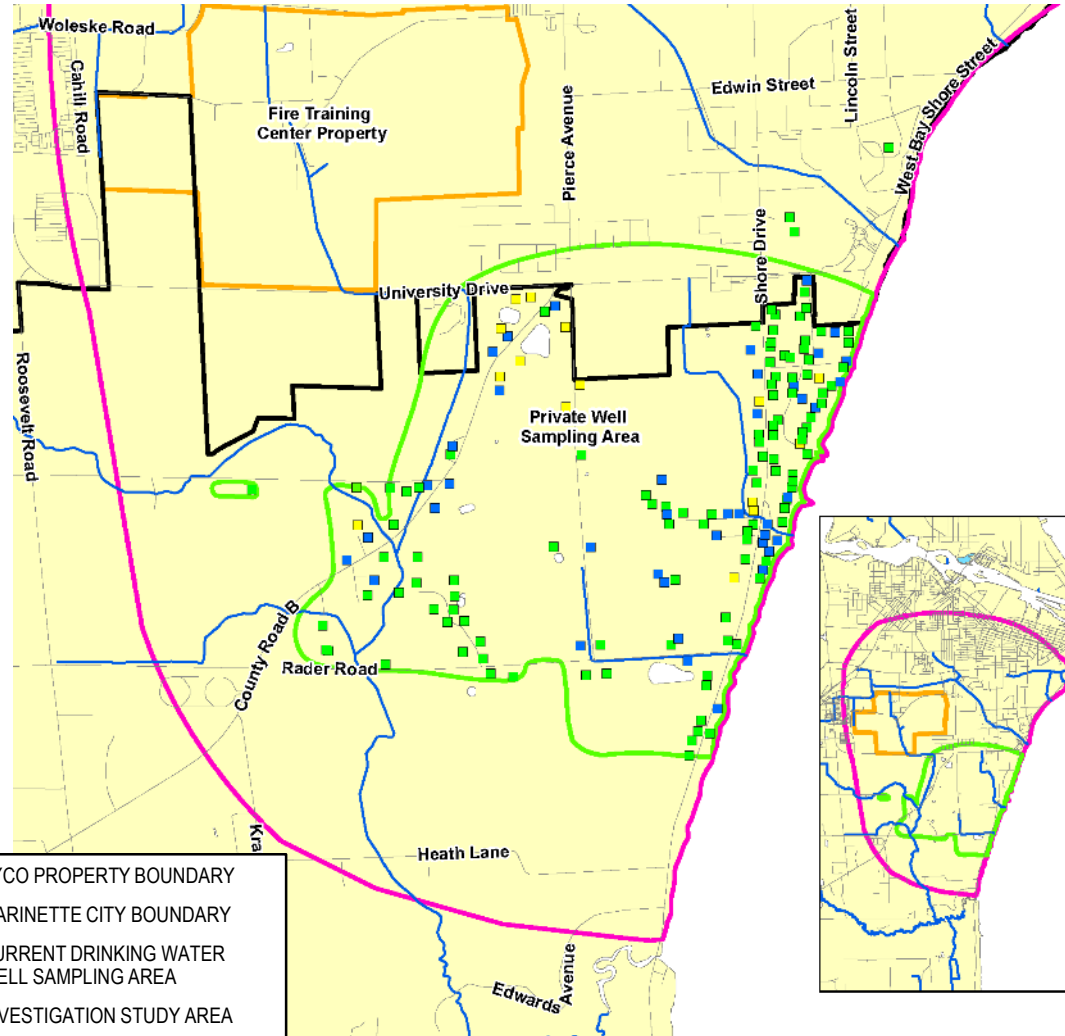
# Drinking Water Sampling Summary

Assessed every responsive home within the sampling area

Bottled water and/or in-home treatment systems offered to each well user within the sampling area



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As of 3/19

# Ditch Interim Actions

## Ditch A

- Treatment system located on Tyco property
- Constructed 2018
- Designed to treat approx. 100 gallons per minute (gpm)
- Treated over 18 million gallons of water to date

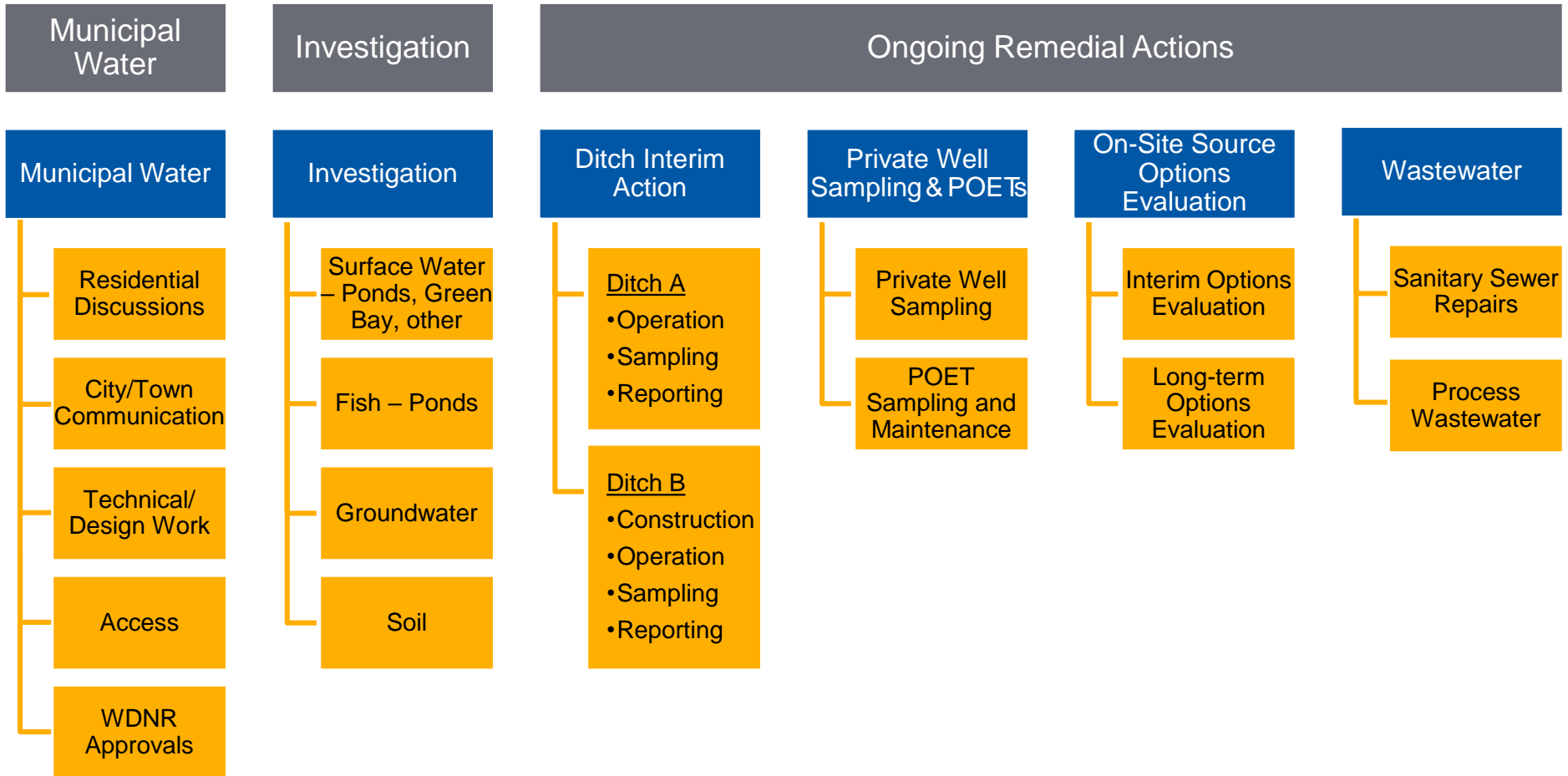


## Ditch B

- Treatment system located between Shore Drive and West Bay Shore Street
- Under construction now
- Designed to treat approx. 600 gpm



# Concurrent Activities for 2019





# Our Highest Priority – Permanent Drinking Water Solution

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## Community Water Supply

- Supported by WDNR
- Reviewing with residents, Town of Peshtigo, City of Marinette, and City of Peshtigo
- Targeting implementation by end of 2020
- Demonstrated, reliable approach
- Permanent drinking water solution
- Regulated, documented water quality
- Least ongoing maintenance for water user

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# Questions & Answers

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