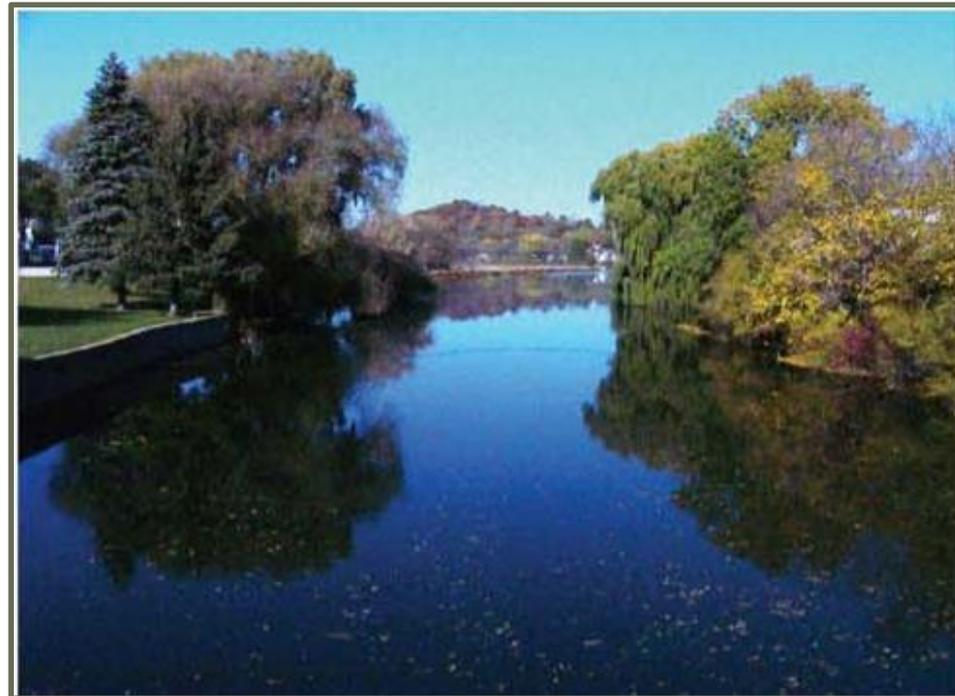


AN OVERVIEW OF THE MID-MORRAINE WATER QUALITY COLLECTIVE



David Arnott, P.E.

2018 WAUKESHA COUNTY STORM WATER WORKSHOP

March 21, 2018

TOPICS

- Impetus for Collective
- Who We Are
- Goals
- Why Partnership
- Progress To-Date
- Future Activity



IMPETUS FOR COLLECTIVE

DRAFT REPORT

Total Maximum Daily Loads for Total Phosphorus,
Total Suspended Solids, and
Fecal Coliform
Milwaukee River Basin, Wisconsin

EPA Grants 00E00591-2, 00E00592-2, 00E00593-2,
and 00E00594-2

Prepared for:

U.S. Environmental
Protection Agency
Region 5

On Behalf of:

Wisconsin Department of
Natural Resources

Milwaukee Metropolitan
Sewerage District

July 21, 2016

**CDM
Smith**

- Pending Milwaukee River Basin TMDL
- TP and TSS Reduction
- MS4 - % Reductions
- WWTF – Pounds Per Month



IMPETUS FOR COLLECTIVE

TMDL

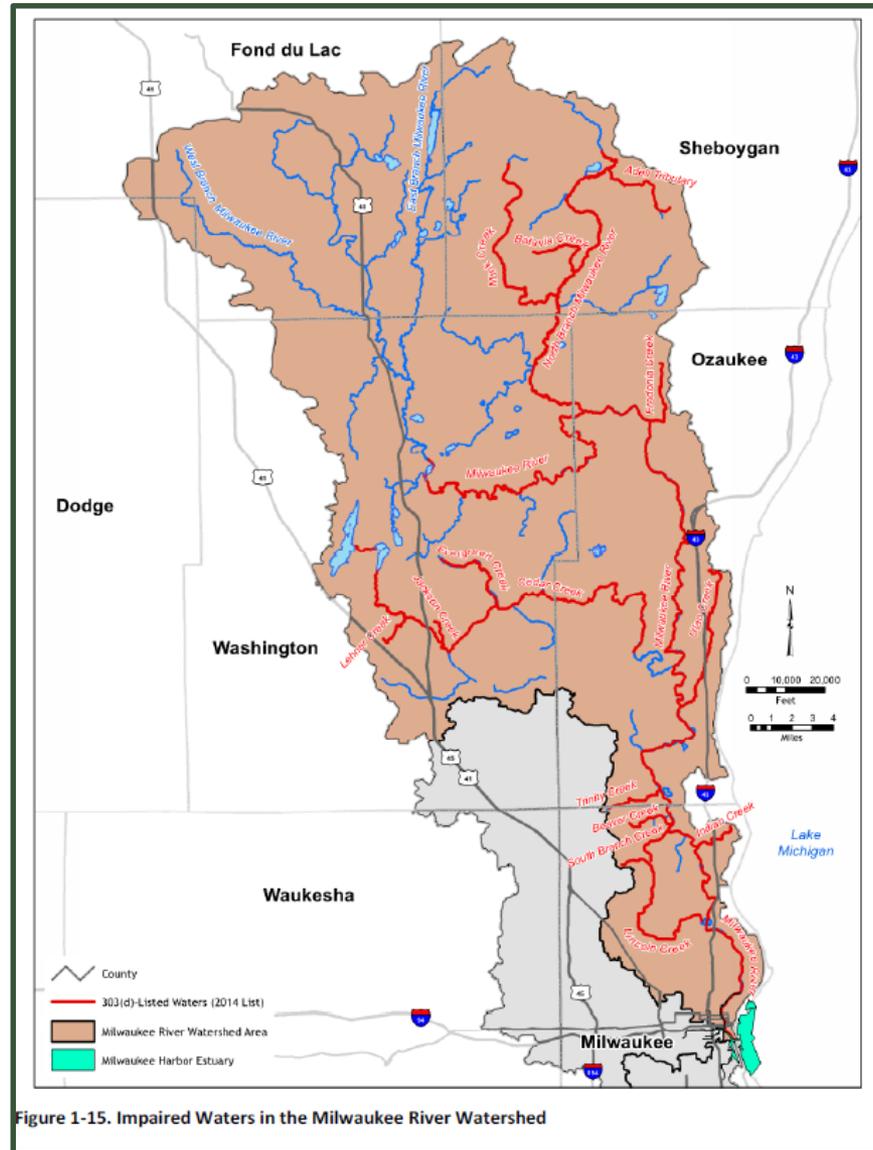
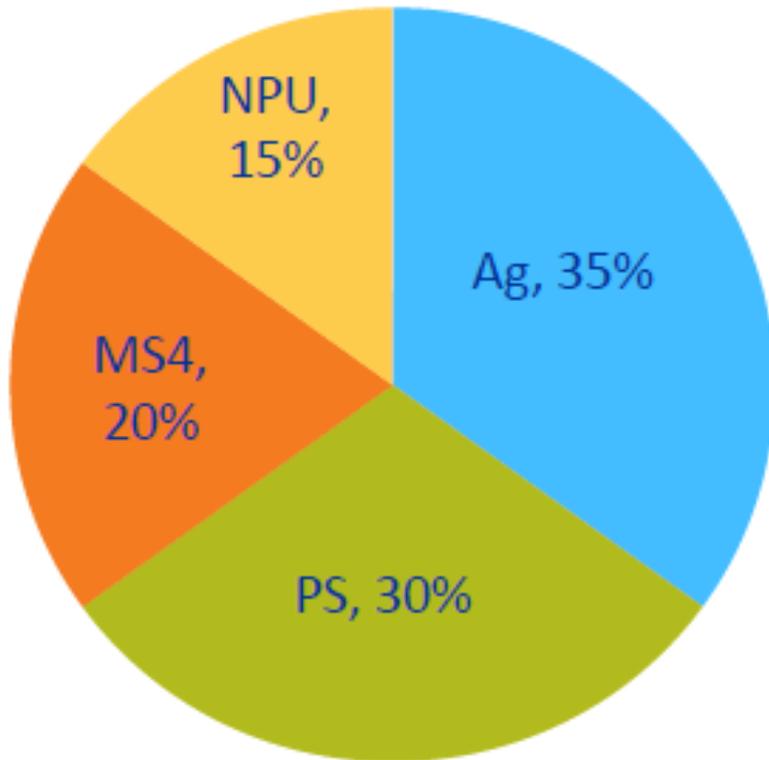


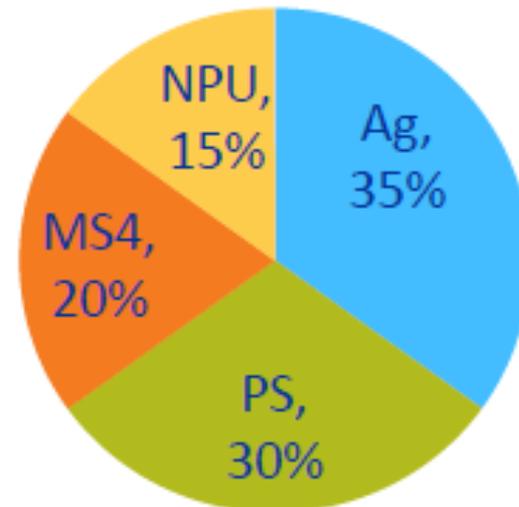
Figure 1-15. Impaired Waters in the Milwaukee River Watershed

IMPETUS FOR COLLECTIVE

TMDL



Baseline Load



Allowable Load



IMPETUS FOR COLLECTIVE TMDL

[Business](#)[Licenses & Regulations](#)[Recreation](#)[Env. Protection](#)[Contact](#)[Join DNR](#)

Municipal storm water permits

Important information concerning the MS4 permits

Beginning January 10, 2018, online reporting is now available for municipalities to submit the 2017 Annual Reports due March 31, 2018, and other permit compliance documents. Learn more at:

» [Municipal storm water permit eReporting](#).

More than two hundred municipalities in Wisconsin that include cities, villages, towns and counties within urbanized areas are required to have Municipal Separate Storm Sewer System (MS4) permits under [NR 216, Wis. Adm. Code](#) [\[exit DNR\]](#). Use the links below to find out who is affected, how municipalities comply with permit requirements, and technical assistance documents. [Learn more](#) about storm water runoff.

- [Permit overview](#)
Municipal permit program information
- [Find permit information](#)
Look up municipal permittees
- [Order publications/technical guidance](#)
Obtain technical guidance on storm water management planning and practices, and find guidance on grass swales and rain gardens
- [Presentations](#)



Bioswales capture runoff for infiltration (DNR photo)

Storm water runoff

Learn more

[about storm water runoff](#)

Plan

[with technical standards](#)

Municipal permits

- [Permit overview](#)
- [Municipal permittees](#)
- [Incoming MS4 NOIs](#)
- [eReporting](#)
- [Presentations and fact sheets](#)
- [Whose pond is it anyway?](#)

Related links

- [Learn more](#)
- [Construction permits](#)
- [Industrial permits](#)
- [Technical standards](#)
- [Guidance & resources](#)

Contact information

For information on this page, contact:

IMPETUS FOR COLLECTIVE TMDL



Sauville Wastewater Treatment Facility

WHO WE ARE



GRAFTON
Quality Life. Natural Living.



MUNICIPALITIES



WHO WE ARE



COUNTIES



WHO WE ARE



sweet water

SOUTHEASTERN WISCONSIN WATERSHEDS TRUST, INC.



NGOs



WHO WE ARE

GRÄEF

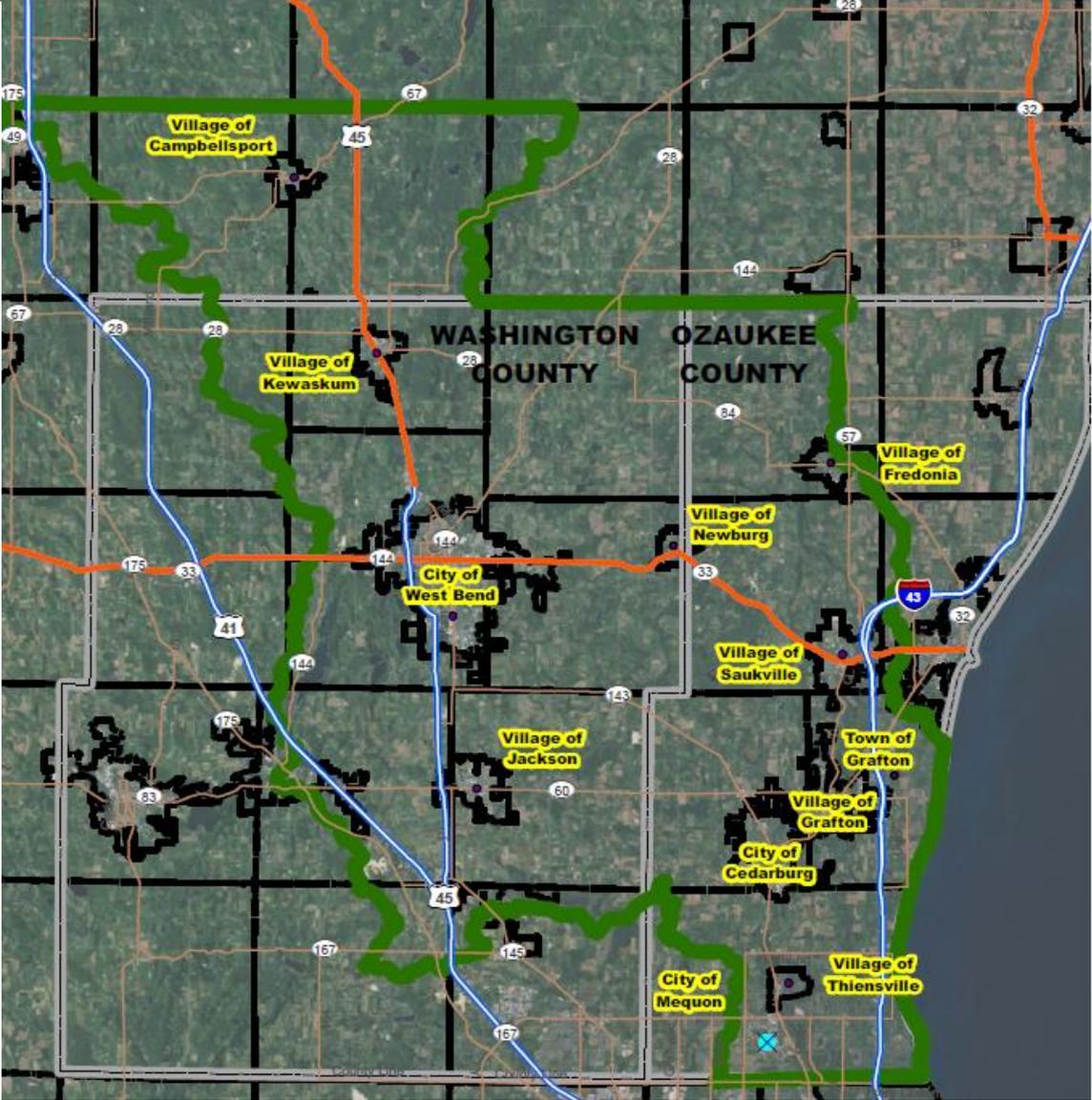


Ruekert • Mielke

ENGINEERING



WHO WE ARE



GOALS

- Improve Water Quality
- Responsible Stewardship of Rate Payer and Taxpayer Funds
- Give Each Member a Greater Voice By Working in a Group



WHY PARTNERSHIP?

- Stakes are High
- Economies of Scale
 - Information
 - WQIP
 - 9KE
 - Resources
 - County Studies
 - Projects
 - Planning, Design, Construction



WHY PARTNERSHIP?

- Group MS4 Permit
 - Share Best Practices
 - Have a Voice in Permit Language
 - Takes Into Account TMDL
 - Reduced Administration
 - Easier for WDNR



WHY PARTNERSHIP?

- Grants
 - Value in Money Spread Among Group
 - Value in Watershed Approach



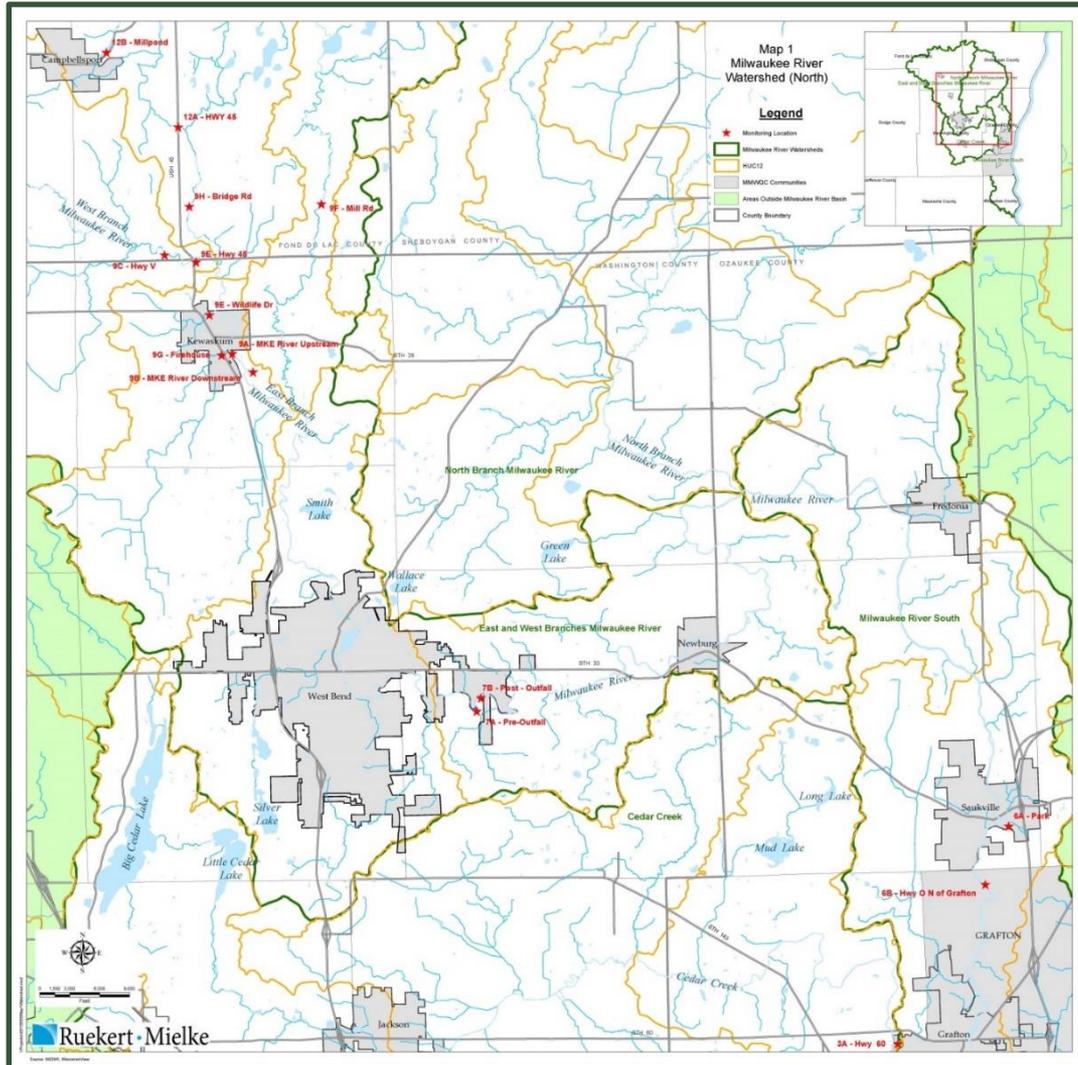
PROGRESS TO DATE

- Meetings
 - Information Exchange
- MMSD RCPP Grant
- Second WDNR UNPS Planning Grant Application
- MS4 Group Permit Initial Coordination
- Drop Box Account Setups
- Website
- Held Monitoring Workshops



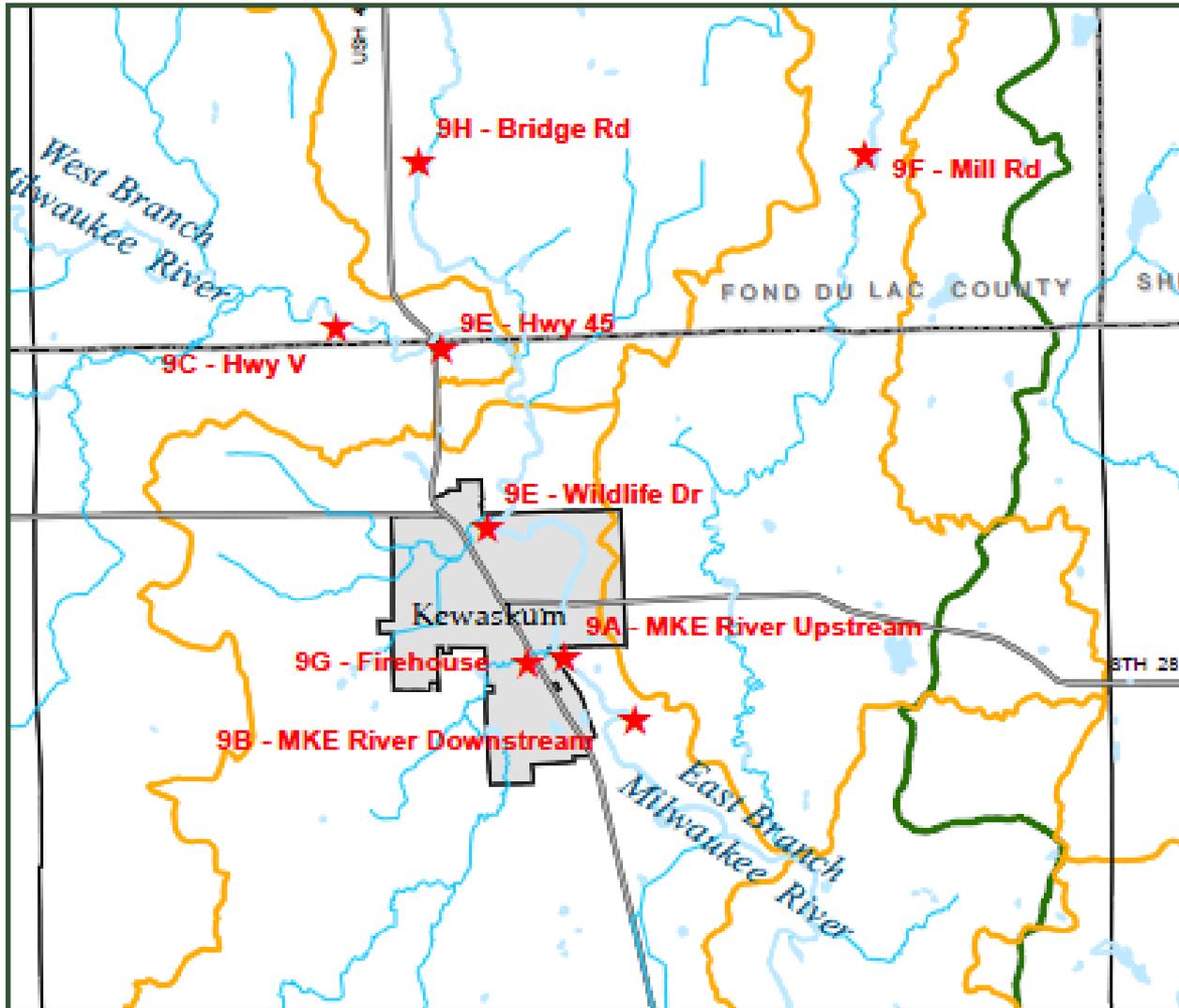
PROGRESS TO DATE

MONITORING DATA COMPILATION



PROGRESS TO DATE

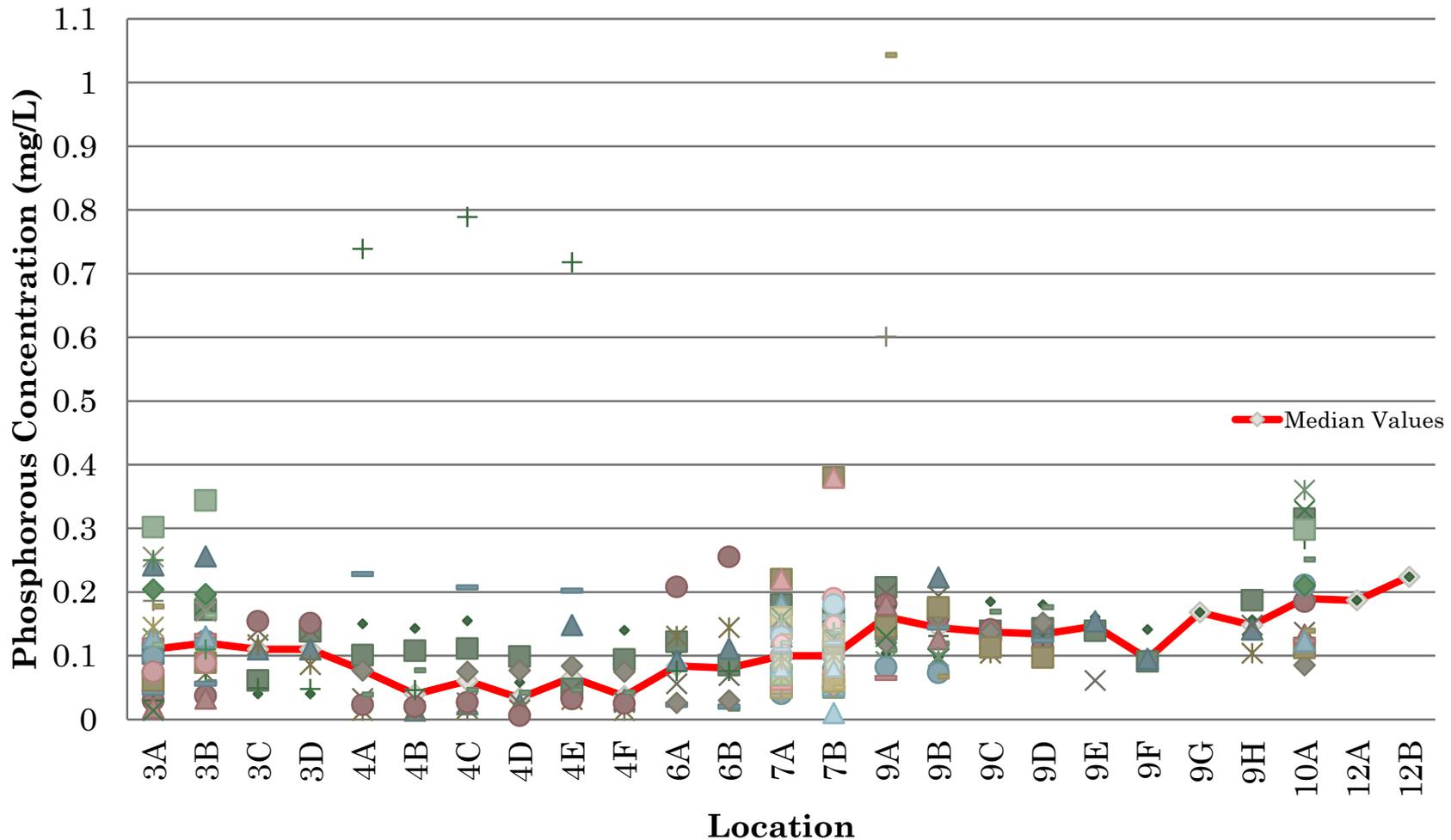
MONITORING DATA COMPILATION



PROGRESS TO DATE

MONITORING DATA COMPILATION

Milwaukee River Watershed Phosphorous Monitoring Data



NEXT STEPS - 2018



- Information Exchange
 - Quarterly Newsletter
- Evaluate MS4 Group Permit
- Continue to Investigate Grants
- Help Create Advisory Board



QUESTIONS?

○ DAVID ARNOTT, P.E.

- Phone: 262-953-3080
- Email: darnott@ruekert-mielke.com

○ MAUREEN MCBROOM

- Phone: 262-953-3038
- Email: mmcbroom@ruekert-mielke.com

