

# Lower Peshtigo River TWA WQM Plan 2017

## Lower Peshtigo River (GB07)



Andy Hudak, DNR Stream Biologist

 Throughout the presentation when you see this symbol,  put your cursor over the box to read more detail.

The cover of the report features a blue background. At the top, a photograph shows two bald eagles in flight against a grey sky. Below the photo, the text reads: "Birds of prey on the Peshtigo River at Potato Rapids Dam Photo by Andy Hudak, DNR". The main title "LOWER PESHTIGO RIVER TWA WQM PLAN 2017" is in large white letters, followed by "Lower Peshtigo River (GB07)" and "HUCs: 0403010506, Monitored 2014, 2015" in smaller white text. A map of Wisconsin is shown with the Lower Peshtigo River TWA highlighted in orange. At the bottom right is the Wisconsin Department of Natural Resources logo and the report number "EGAD # 3200-2017-12 Water Quality Bureau, Wisconsin DNR".

*A Watershed Report created by the Bureau of Water Quality in support of the Clean Water Act.*

Birds of prey on the Peshtigo River at Potato Rapids Dam  
Photo by Andy Hudak, DNR

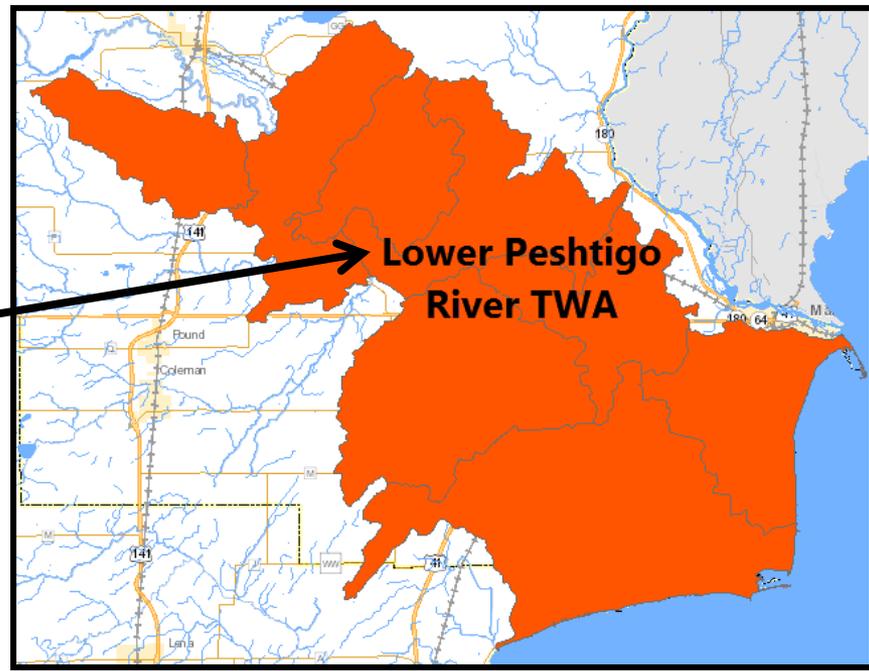
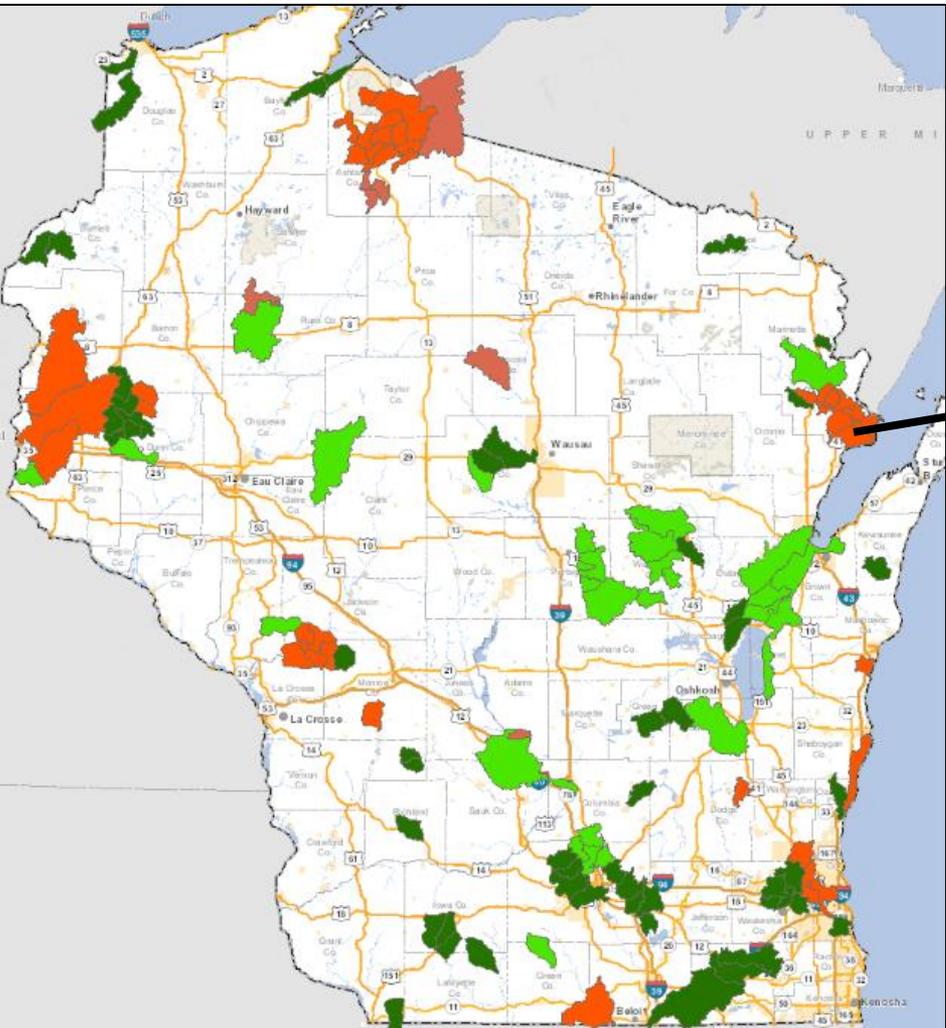
**LOWER PESHTIGO RIVER TWA WQM PLAN 2017**  
Lower Peshtigo River (GB07)  
HUCs: 0403010506, Monitored 2014, 2015

Lower Peshtigo River TWA

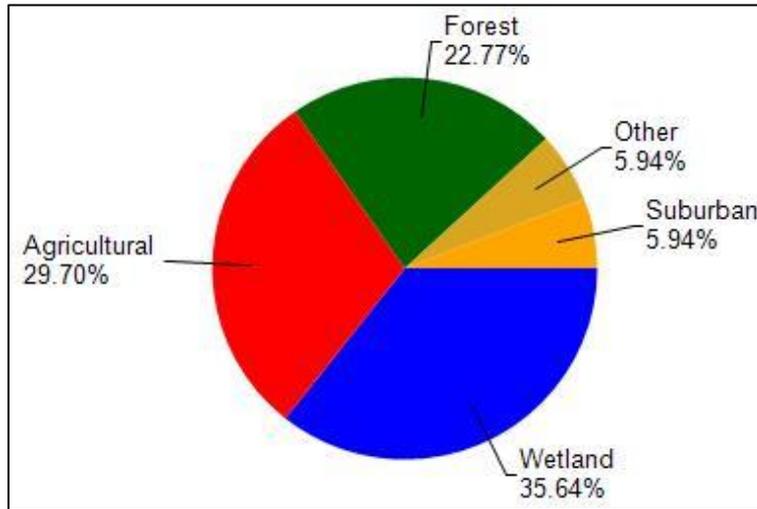
WISCONSIN DEPT. OF NATURAL RESOURCES

EGAD # 3200-2017-12  
Water Quality Bureau,  
Wisconsin DNR

# Lower Peshtigo River TWA Project Location



# Land Use - Lower Peshtigo River TWA



Unnamed Tributary Peshtigo River

- Lower Peshtigo River watershed is 194.98 mi<sup>2</sup>. Land use in the watershed is primarily wetland (36%), agricultural (30%) and a mix of forest (23%) and other uses (12%) (Figure 2). This watershed has 281.45 stream miles, 7,822.68 lake acres and 39,769.86 wetland acres.



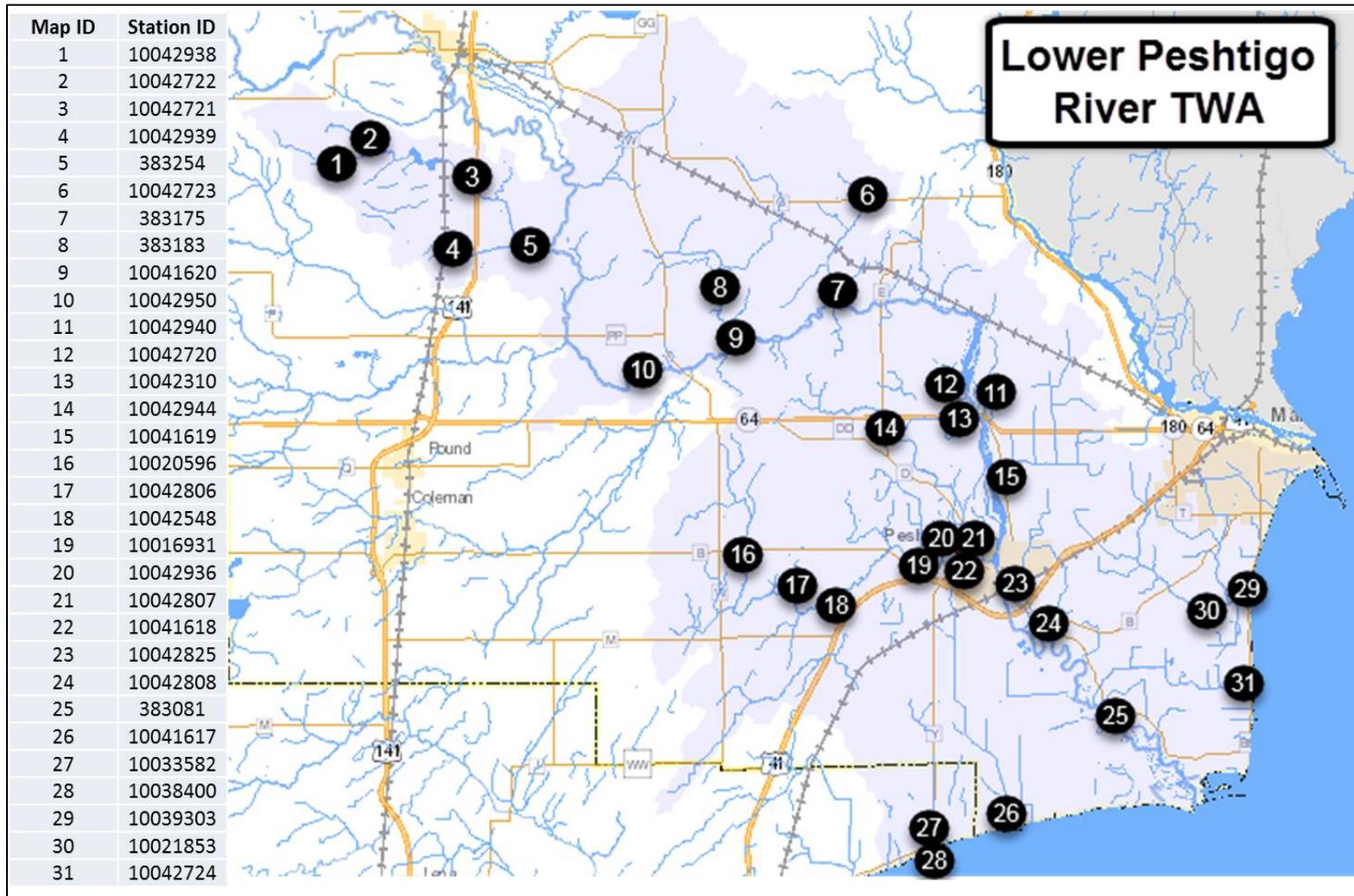
Left Foot Creek

# Purpose

- The purpose of this project was to monitor the contemporary status of streams within the Lower Peshtigo Watershed.
- Parameters measured: fish, habitat, macroinvertebrate, and water
- Determine if streams are achieving their designated use, assess the overall health of the watershed, and provide guidance to Marinette County for developing a 9 Key Element Plan to address non-point source issues in the watershed.

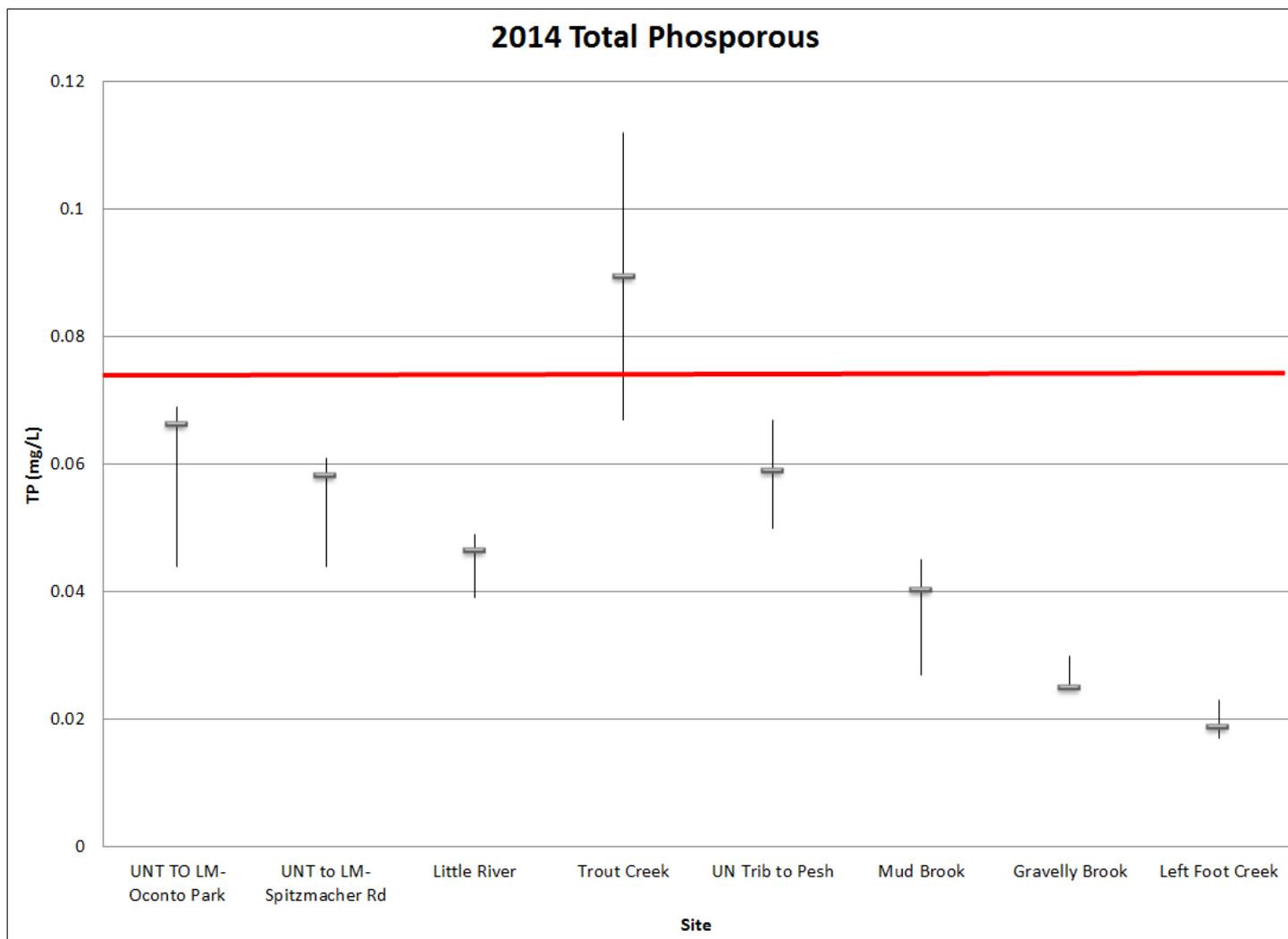


# Purpose – Monitoring Stations



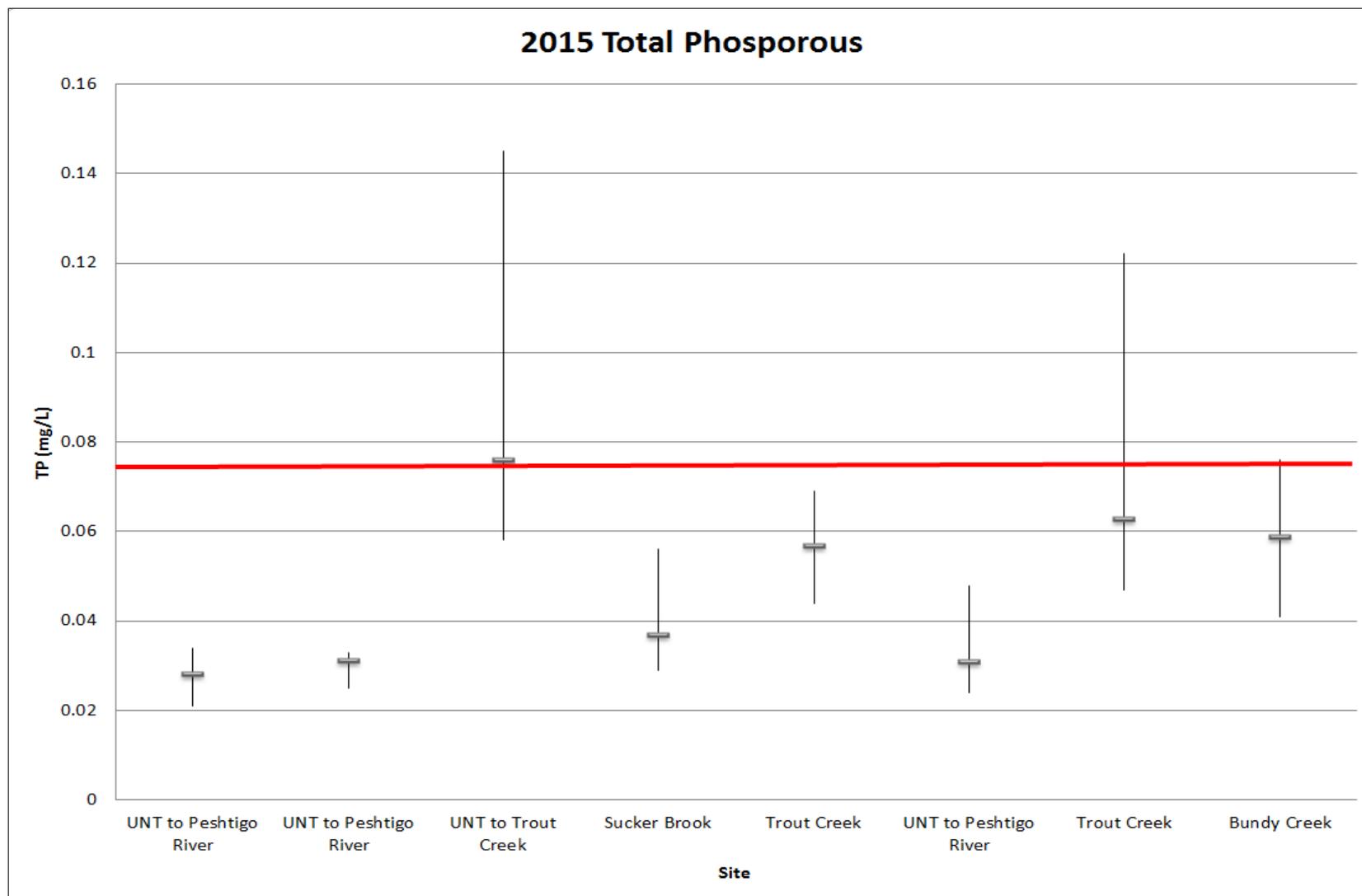


# Study Results – 2014 Phosphorus

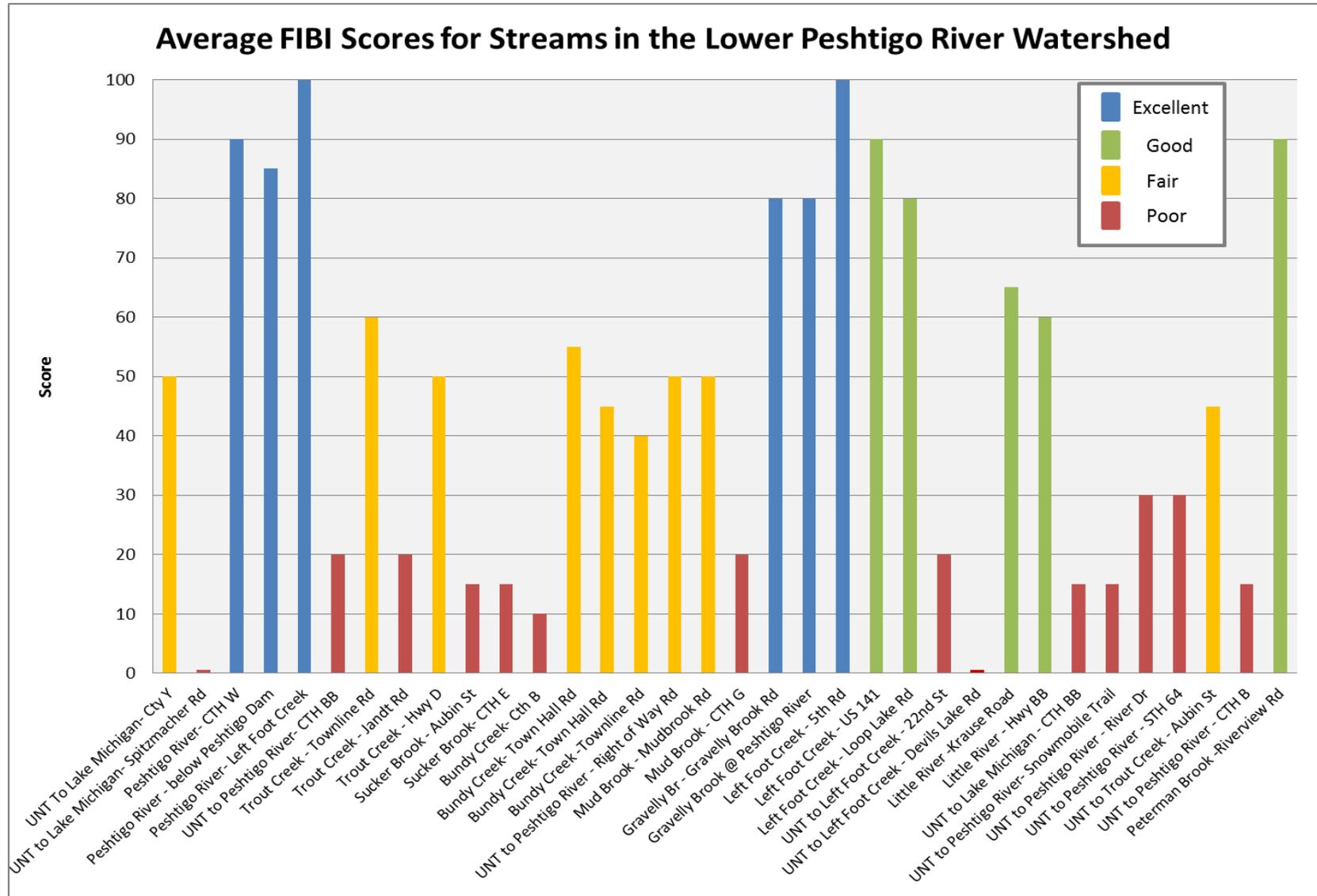




# Study Results – 2015 Phosphorus

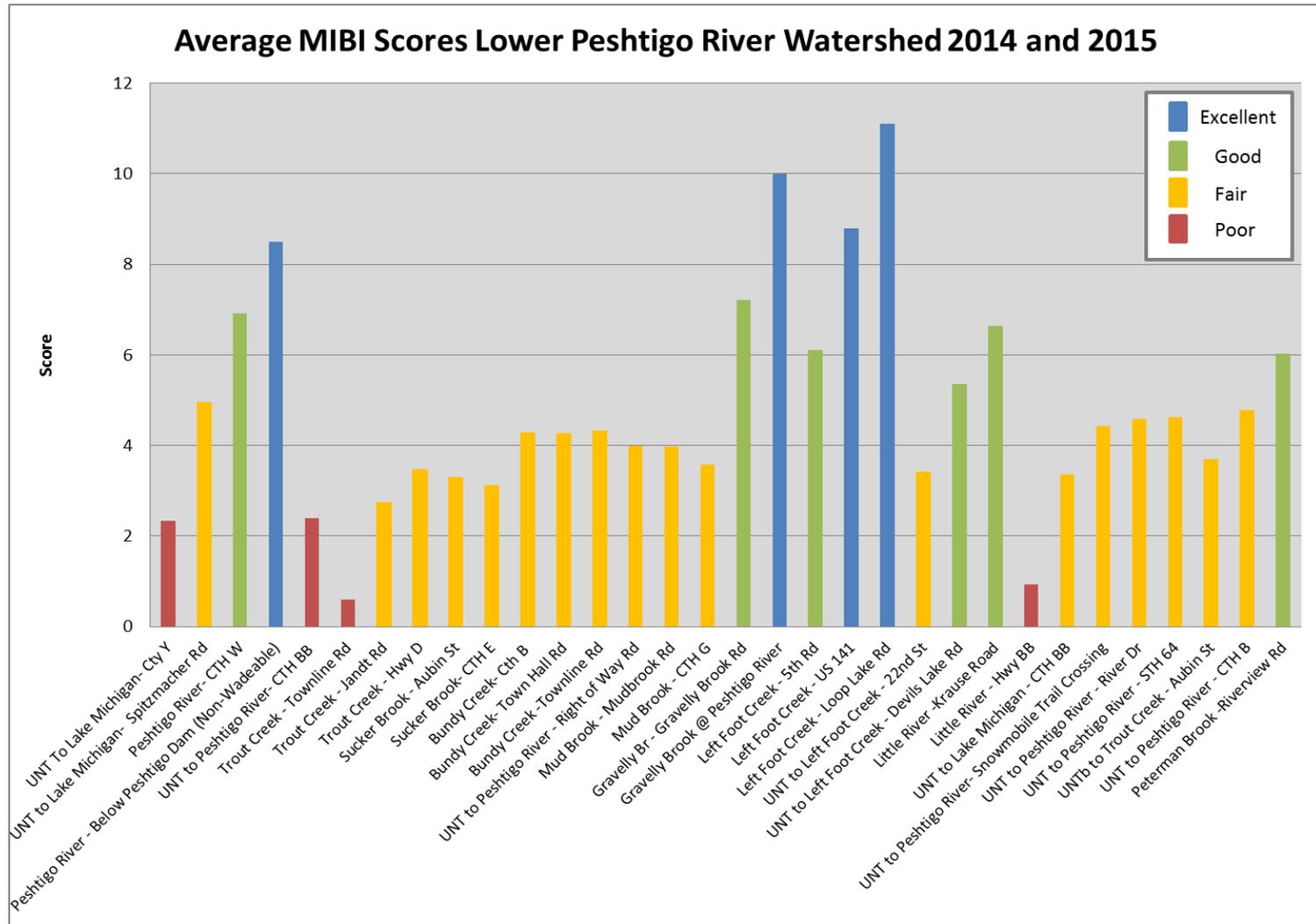


# Study Results – Natural Community

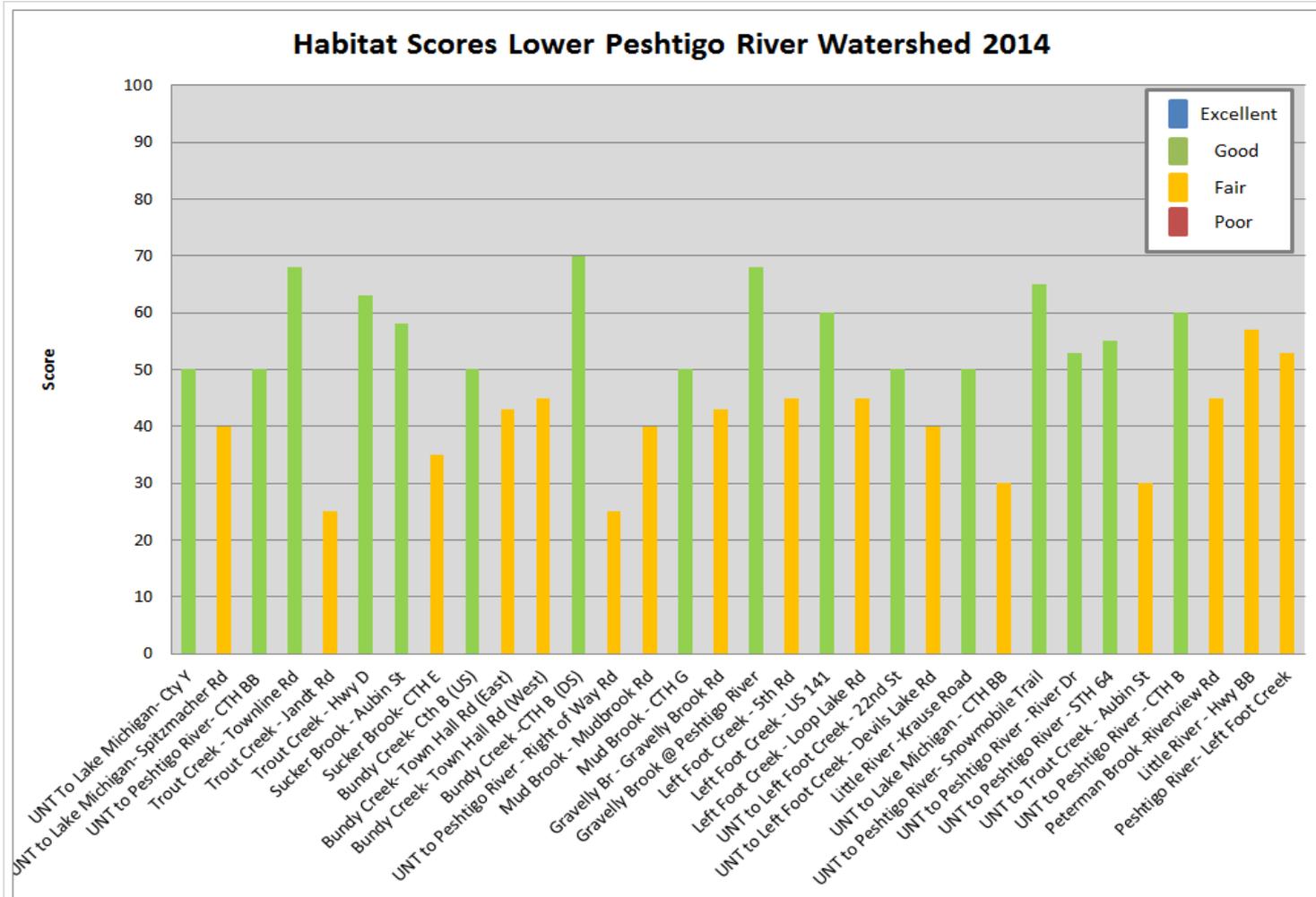




# Study Results – Macroinvertebrates



# Study Results – Habitat



# Management Priorities

- Reduce non-point source impacts in the Trout and Bundy Creek Subwatershed and the small tributaries to Lake Michigan and the Peshtigo River below Hwy 64.
- Work with landowners willingness to improve stream buffers, manage manure and inorganic nutrient application, improve tillage practices to prevent upland soils losses, and improve overall soil health in the watershed.





# Recommendations

- Conduct follow-up monitoring on Mud Brook to re-evaluate for impairments
- Conduct temperature monitoring and fish surveys in mid to upper reaches of the Peterman Brook
- Conduct a culvert passage assessment within the watershed to evaluate crossings for fish passage
- Support the development and implementation for a 9-Key Element Plan for the Lower Peshtigo River Watershed

# Contacts

- For more information contact:
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- Link to the [TWA WQM Plans website](#)
- [Link to Draft Report](#)