

Fond du Lac River TWA WQM Plan 2017

Fond du Lac River (UF03)

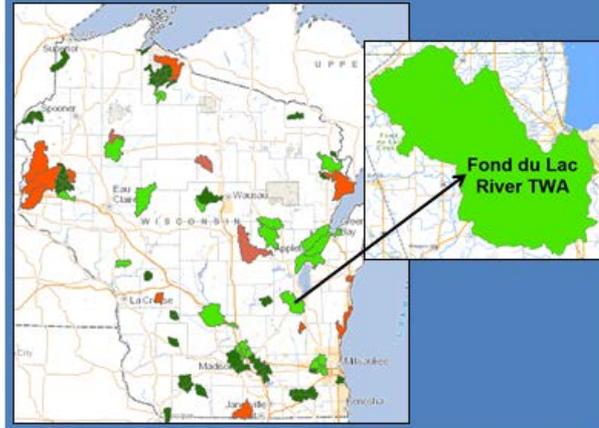


Dave Bolha, DNR Stream Biologist

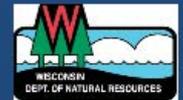
 Throughout the presentation when you see this symbol,  put your cursor over the box to read more detail.



FOND DU LAC RIVER TWA
WQM PLAN 2017
Fond du Lac River (UF03)
HUC: 0403020302, Monitored 2015

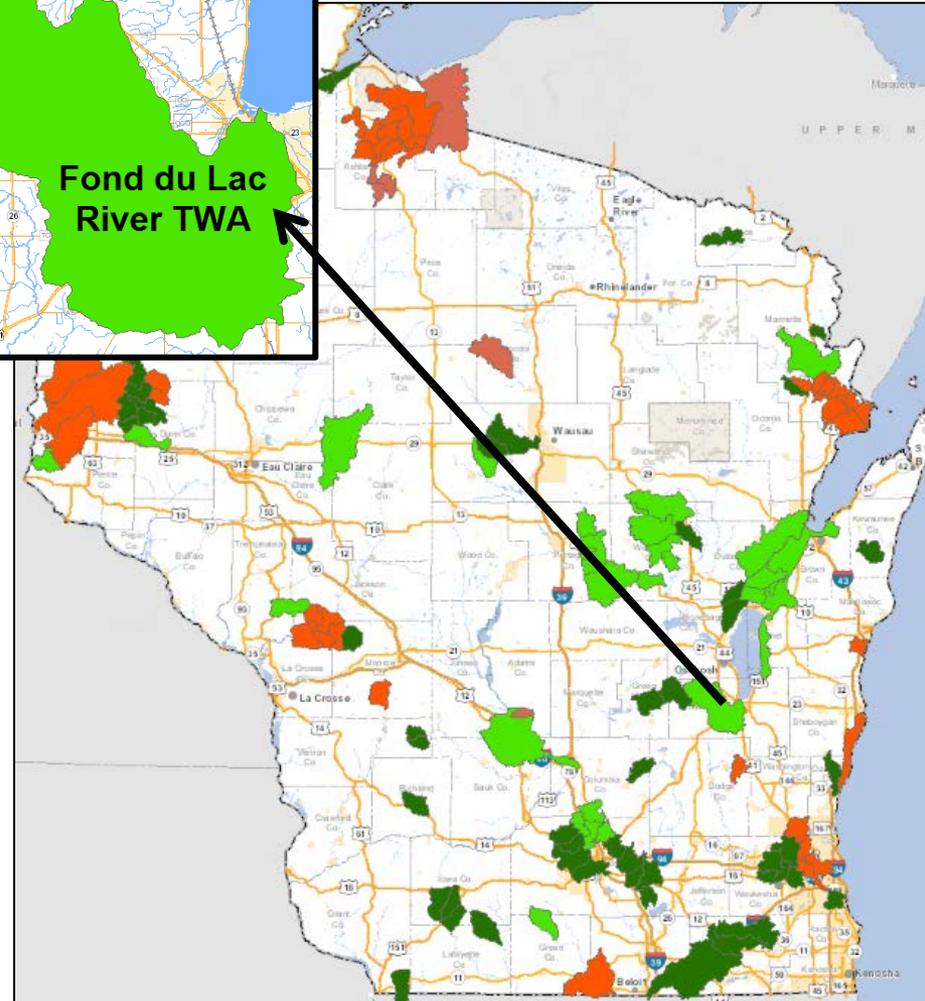
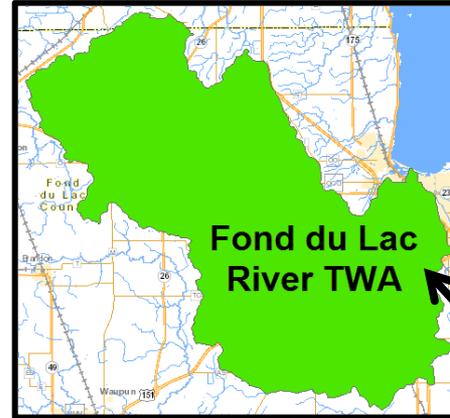
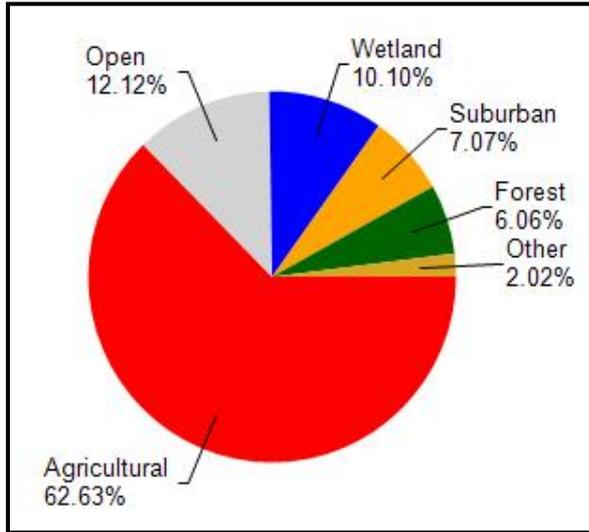


Watershed Report
created by the Bureau of
Water Quality in support
of the Clean Water Act.



EGAD # 3200-2017-08
Water Quality Bureau,
Wisconsin DNR

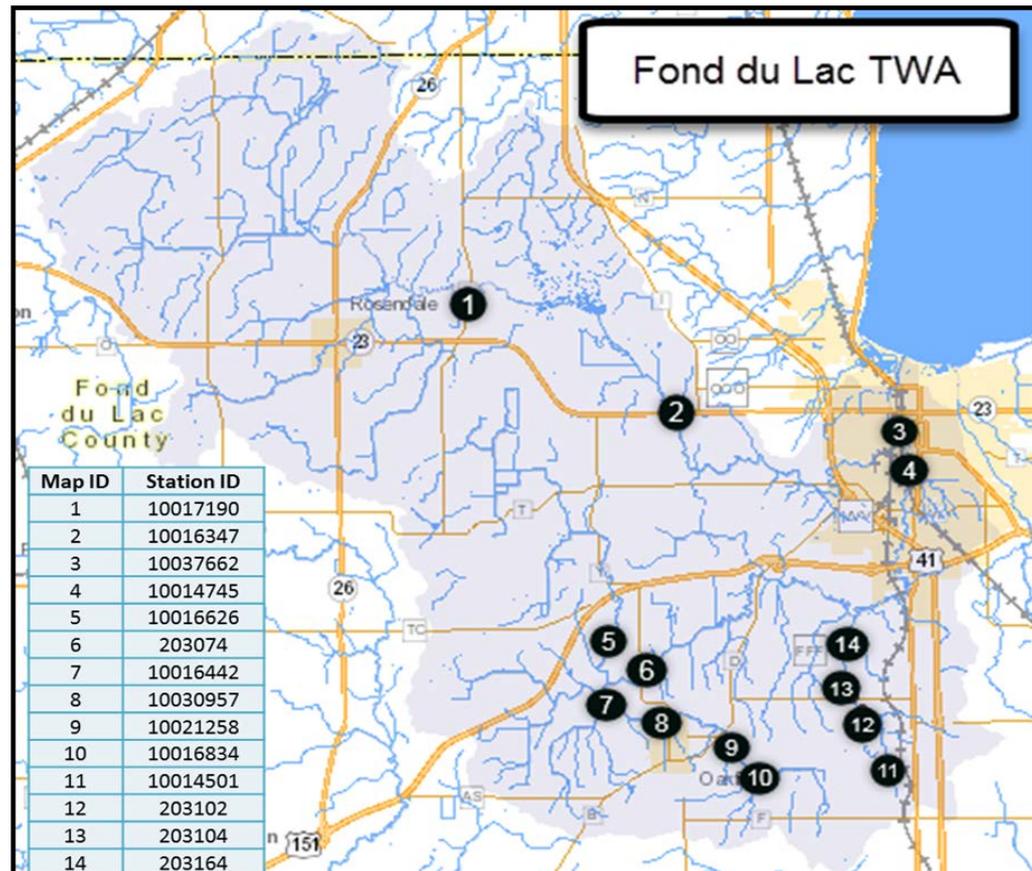
Project Location and Land Use



There are large and growing urban areas in the watershed; however these currently only make up 3% of the watershed. Major urban areas in the watershed include large parts of the Cities of Fond du Lac and Oshkosh and a corridor along the lakeshore and U.S. Highway 41 between Oshkosh and Fond du Lac.

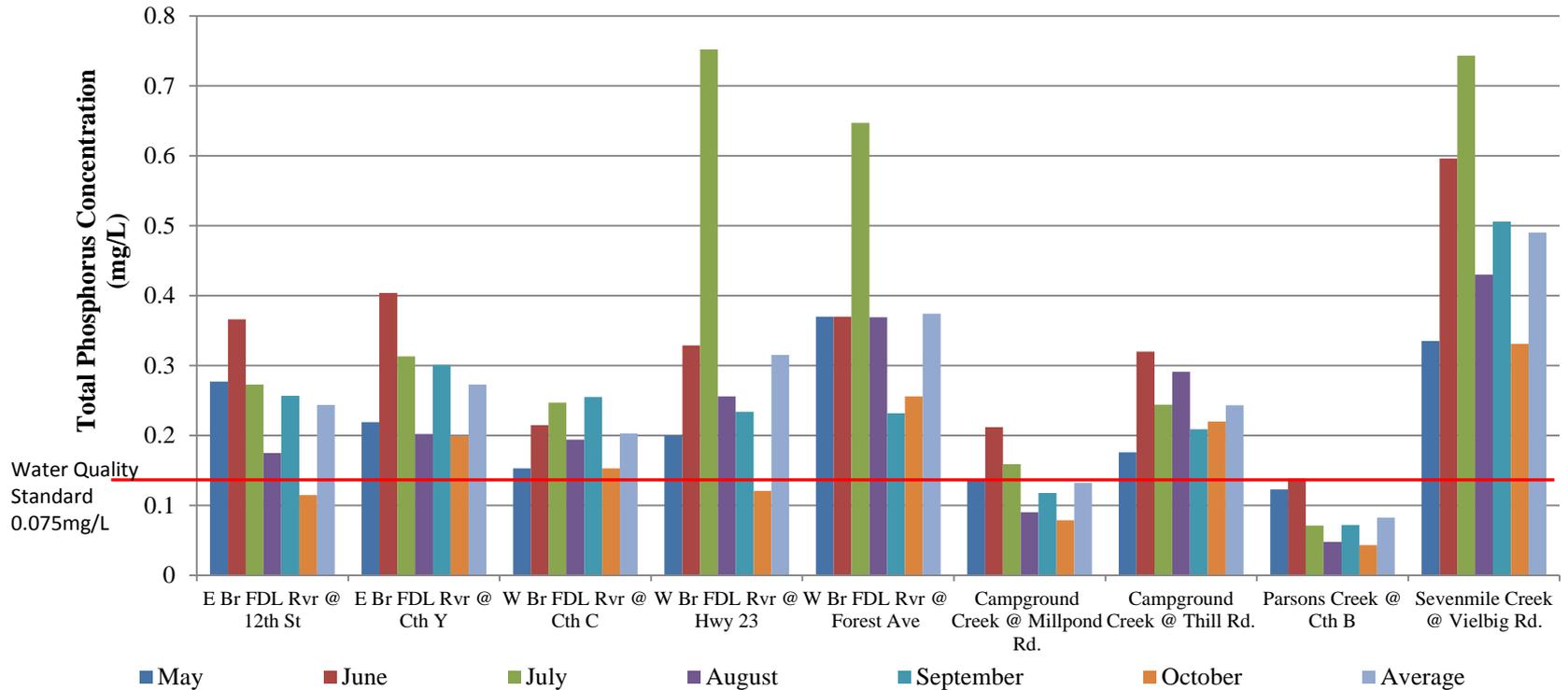
Purpose

- Monitor the biological, chemical, and physical status of the Fond du Lac Watershed
- Evaluate water quality improvements from best management practices installed from 1997 to 2008



Study Results – 2014 Phosphorus

Total Phosphorus Concentrations and Averages in the Fond Du Lac River Watershed in 2015

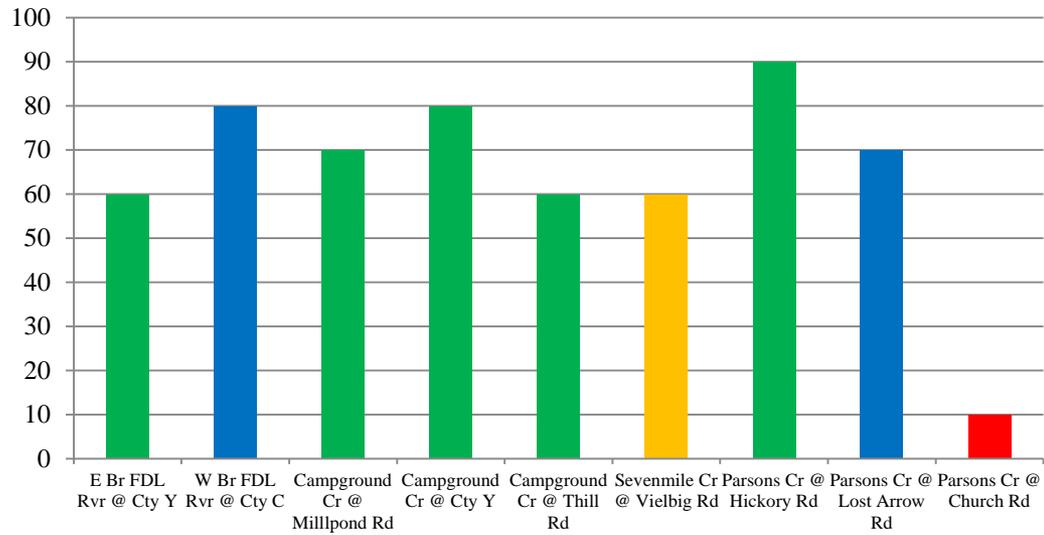


Study Results – Fish IBI

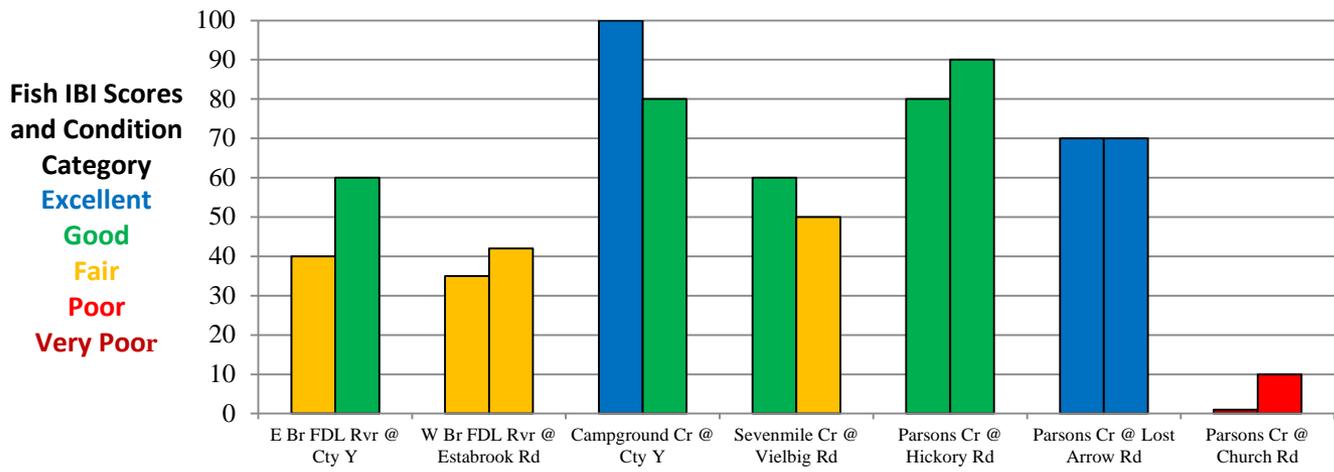
The Condition Category for the 9 sites ranged from Poor to Excellent.

Fish IBI Score and Condition Category
 Excellent
 Good
 Fair
 Poor

Fish IBI Scores and Condition Categories in the Fond Du Lac River Watershed in 2015 & 2016



Historical and Current Fish IBI Scores in the Fond Du Lac River Watershed

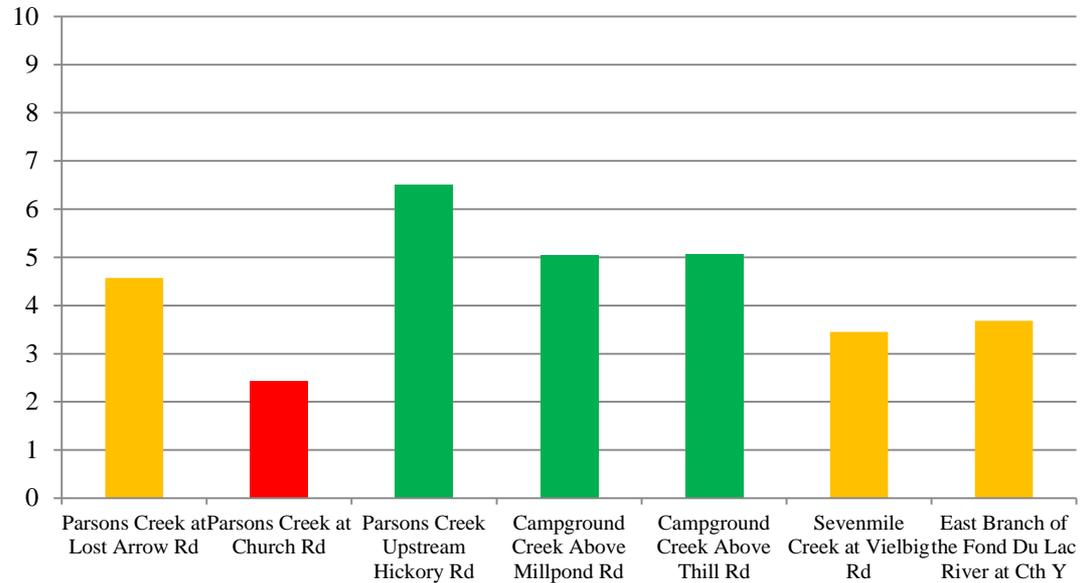


Five of the seven 2015 FIBI scores were similar or increased when compared to the 1996 FIBI scores 6 to 2015.

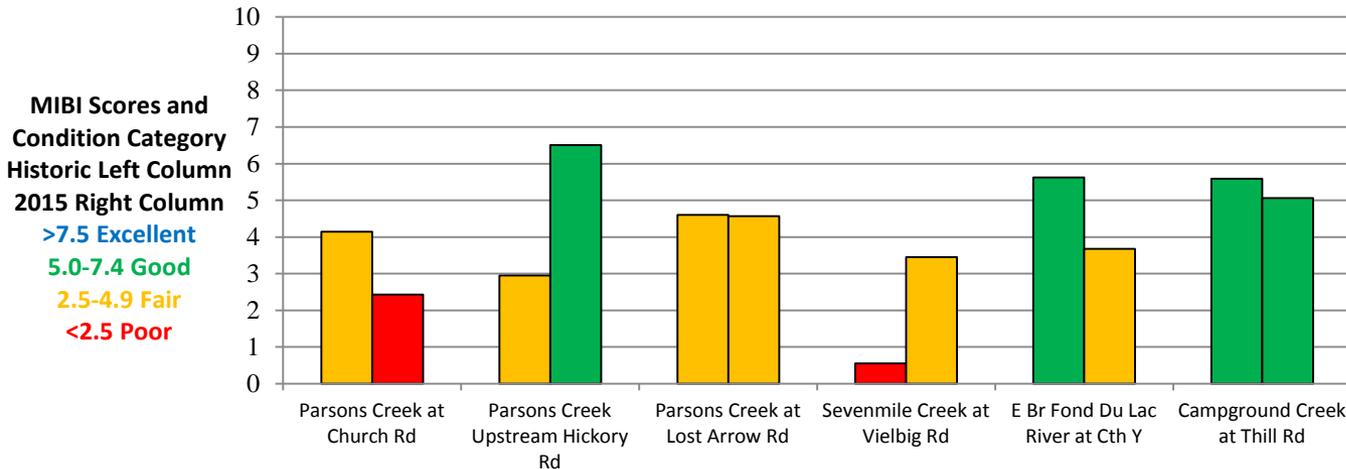
Study Results – Macroinvertebrates

**Wisconsin Wadable
MIBI Score**
 >7.5 Excellent
 5.0-7.4 Good
 2.5-4.9 Fair
 <2.5 Poor

**Wisconsin Wadable Macroinvertebrate
Index of Biotic Integrity Scores and Condition Categories in 2015**



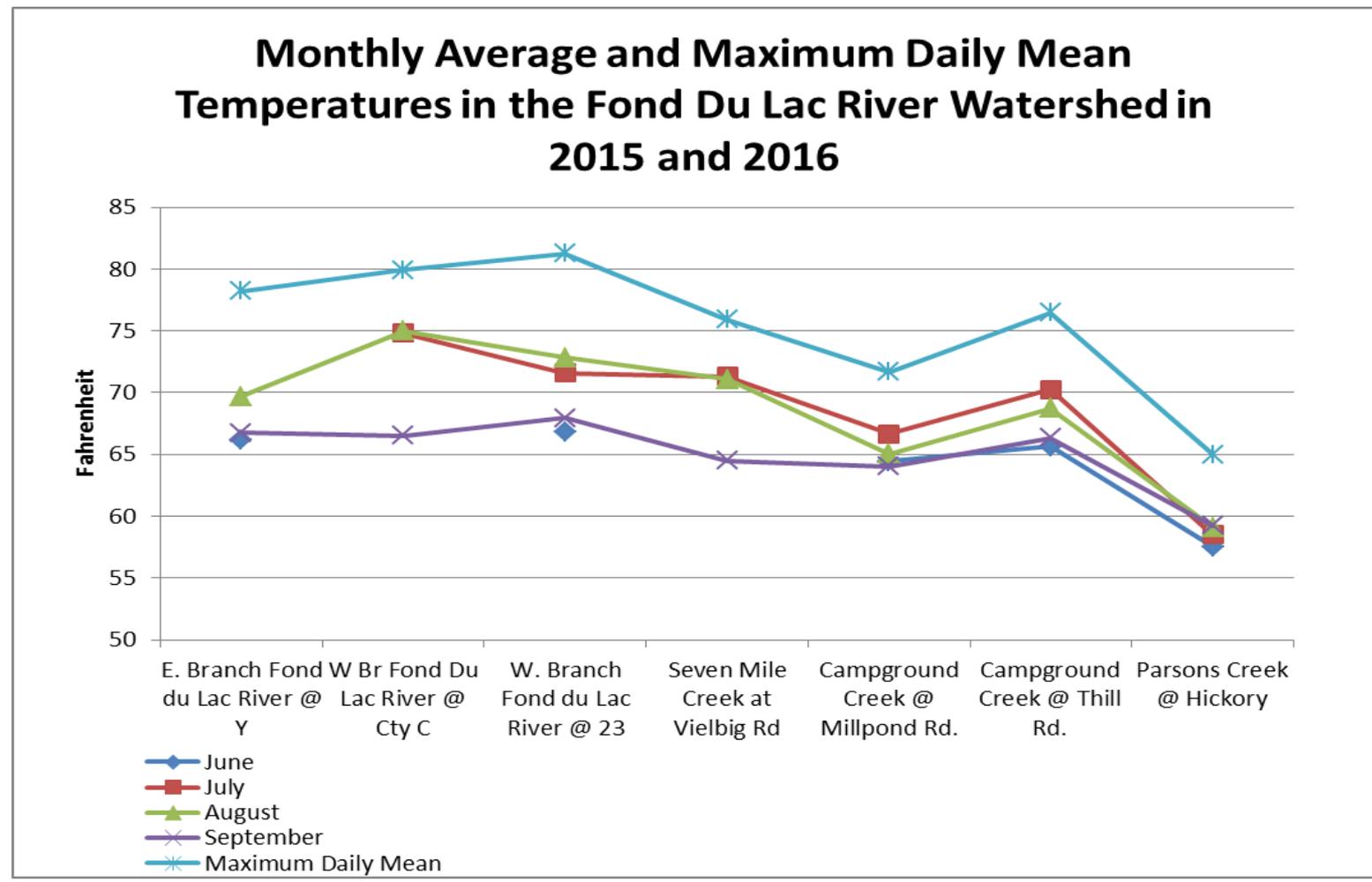
**Comparison of Historical and Current Macroinvertebrate IBI Scores in
the Fond Du Lac River Watershed**



The largest difference between a historical MIBI score and the 2015 MIBI score was a 3.56 increase in Parsons Creek at Hobbs Woods County Park indicating improvement. The largest decrease from historical MIBI scores to 2015 MIBI scores was reported at the East Branch of the Fond Du Lac River at County Hwy Y, indicating a decline in condition.



Study Results – Temperature



Management Priorities

- Collaborate with landowners and county partners to restore streambank and reduce erosion.
- Maximize buffers.
- Promote use of high quality vegetation to reduce sediment and nutrients.



Recommendations

- Identify opportunities for wetlands restoration.
- Implemented the Upper-Fox Wolf River Total Maximum Daily Load.
- Partners should seek opportunities for DNR River Planning and Protection grants.
- Prevent the spread of aquatic invasive species.
- Reduce phosphorus and sediment runoff.
- Implement cover crops throughout the watershed.



Contacts

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 - Link to the [TWA WQM Plans website](#)
 - [Draft Report Link](#)