Maumee nutrient loading
March 1 – July 31, 2016

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NATIONAL CENTER FOR WATER QUALITY RESEARCH
HEIDELBERG UNIVERSITY

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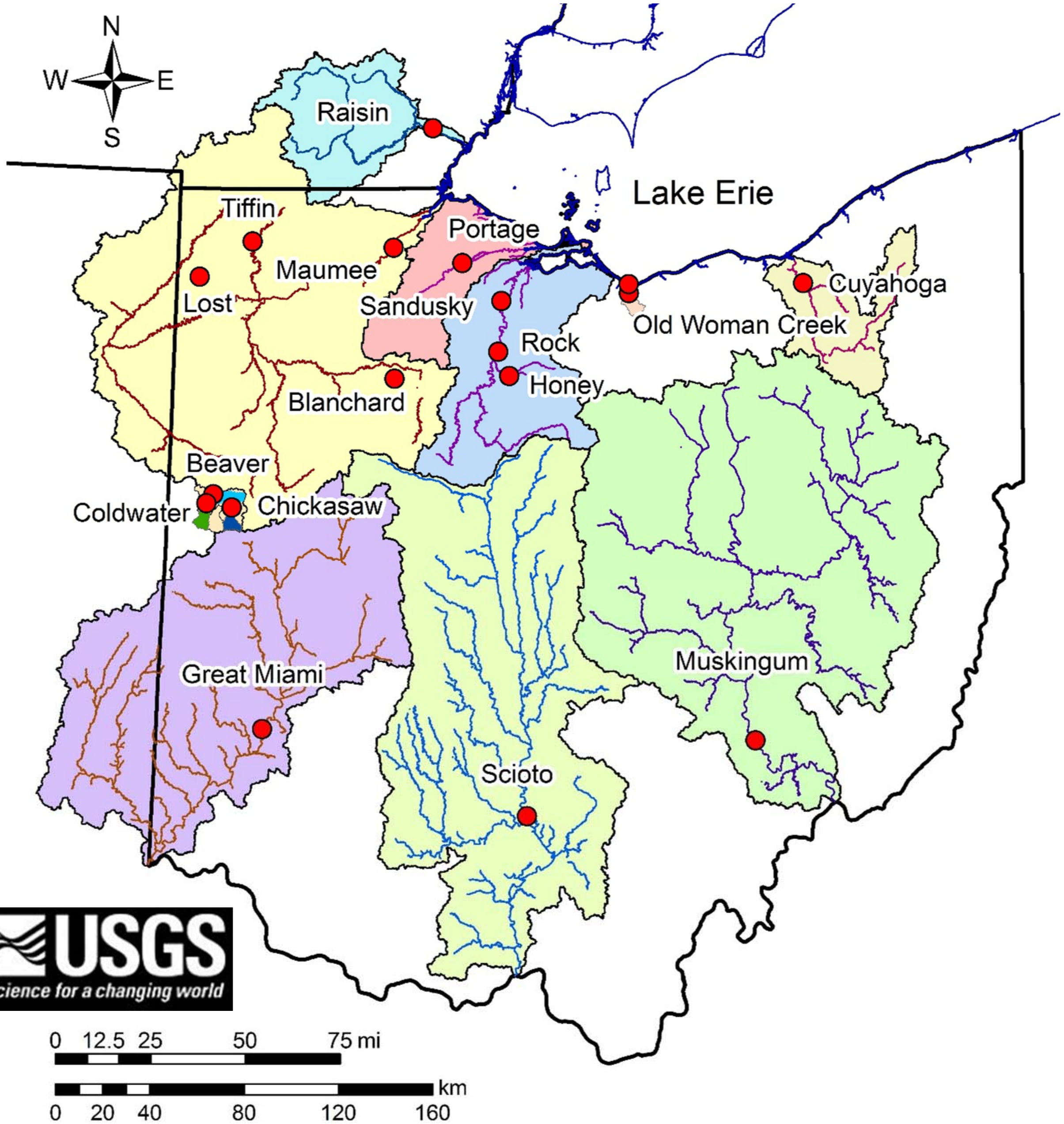
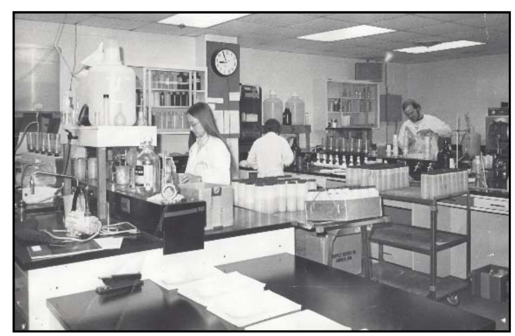
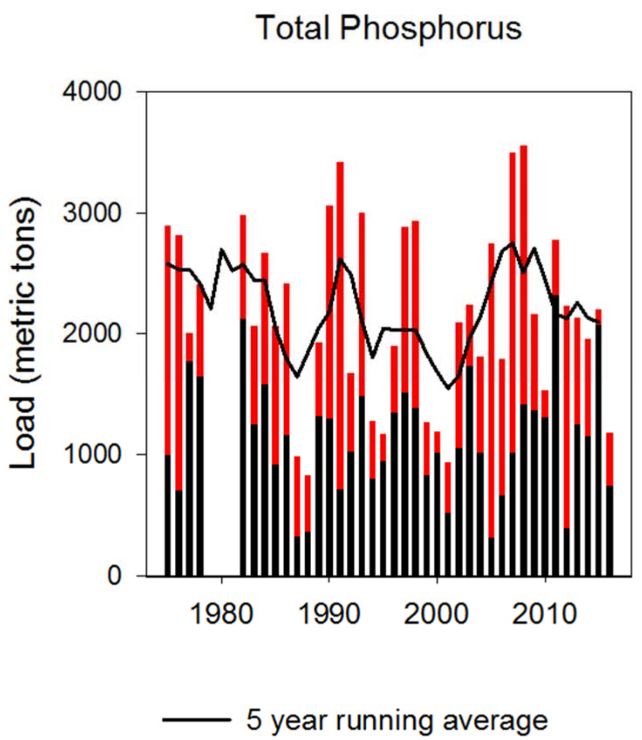
Maumee River through Toledo

Heidelberg Tributary Loading Program





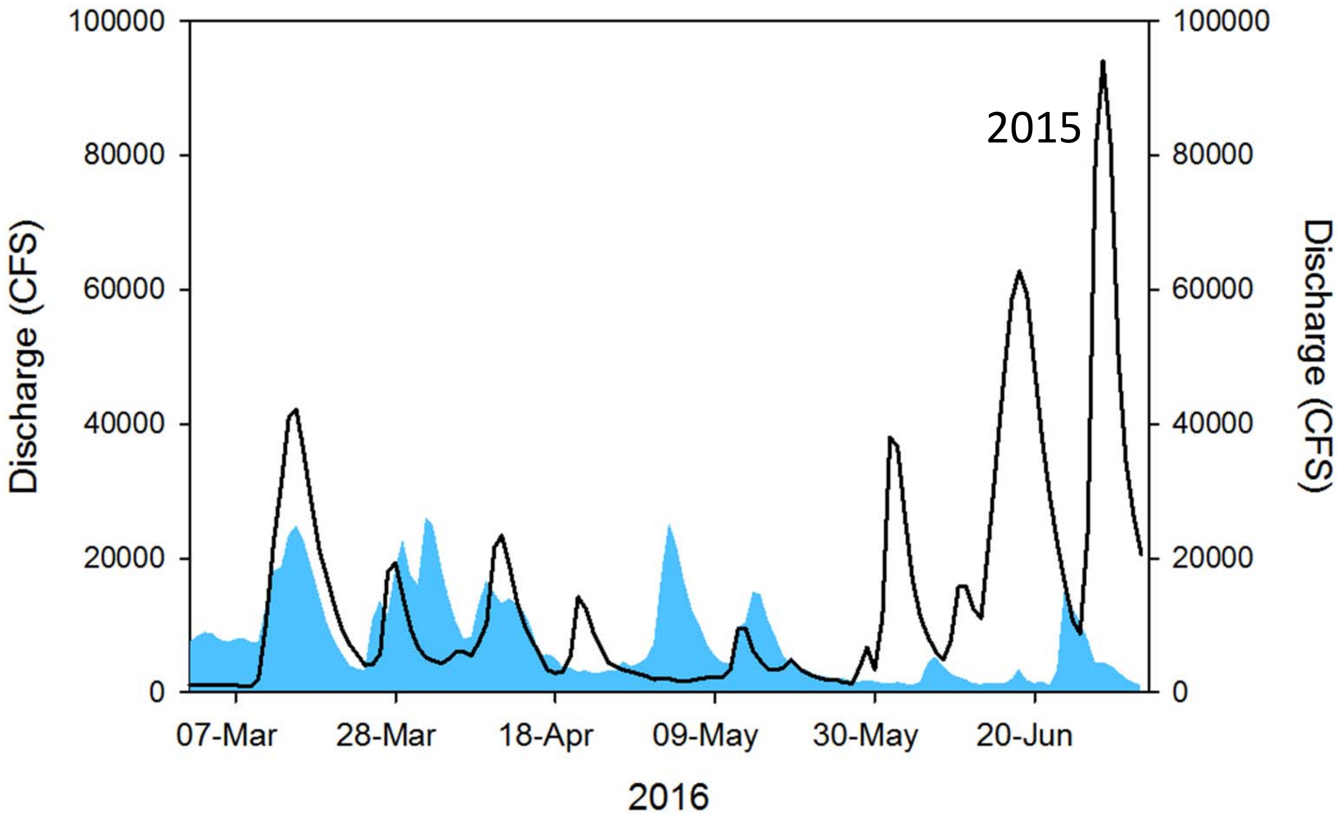
Maumee River Period of Record



Total bioavailable P is the portion of P available to algae that doesn't settle between Waterville and the lake

*see www.lakeeriealgae.com for more on why

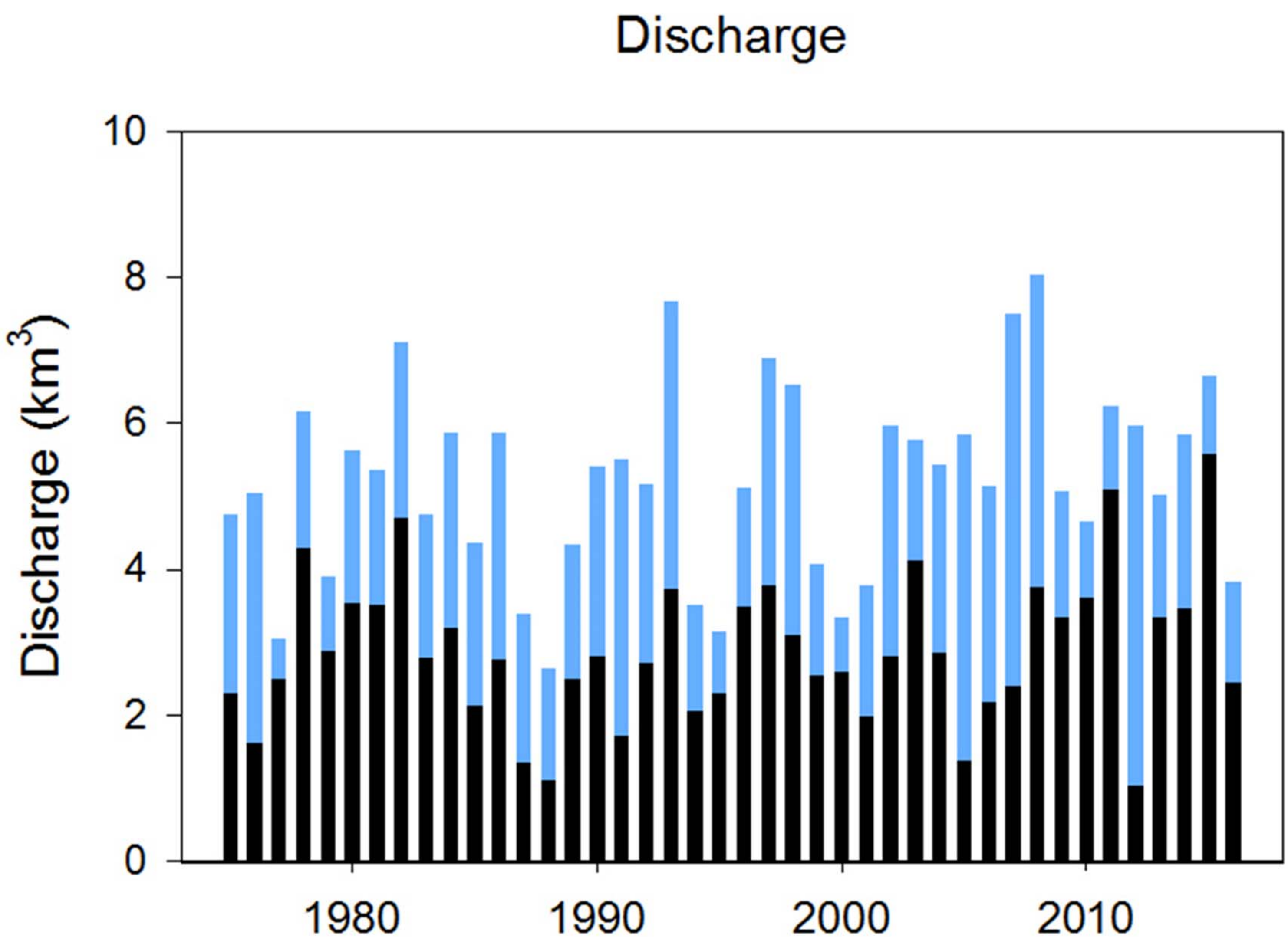
Maumee at Waterville 2016



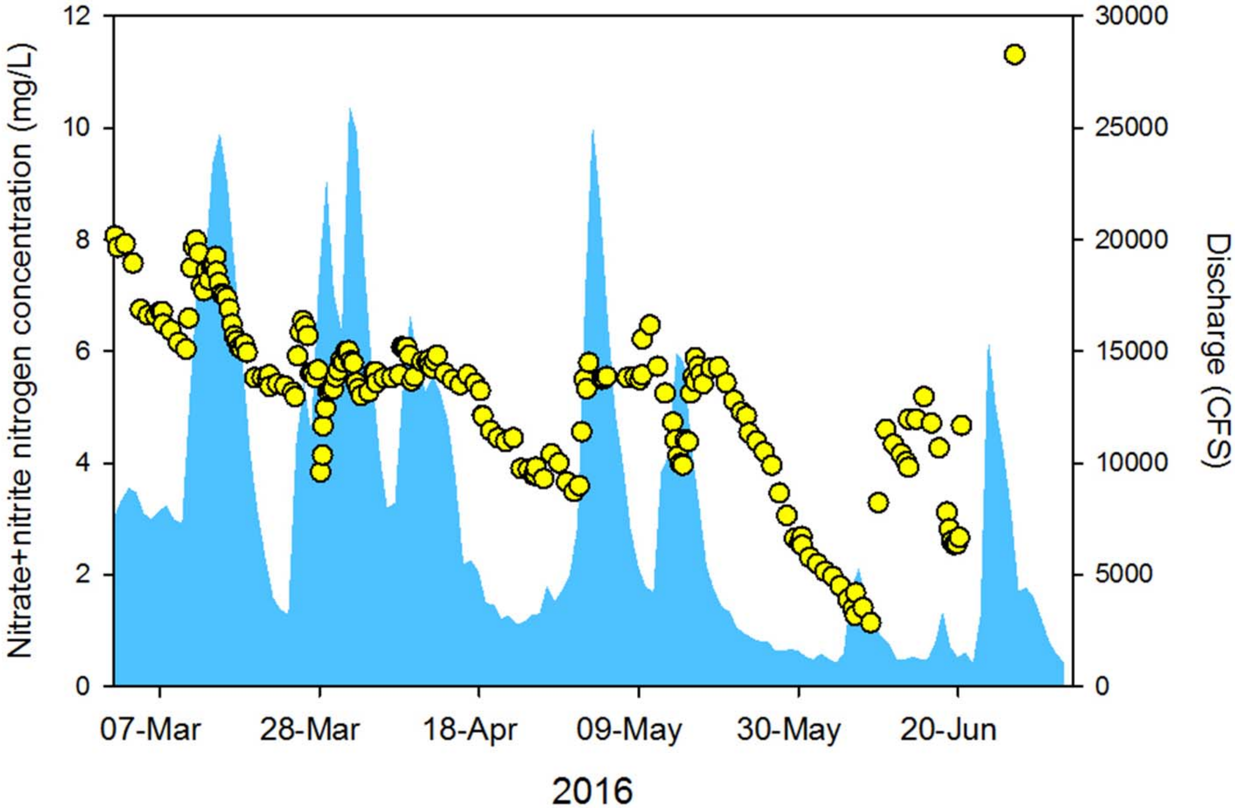
Warm winter- little thaw, overall lower flow

Graphic from Ryan Wichman, WTOL

Maumee at Waterville 2016



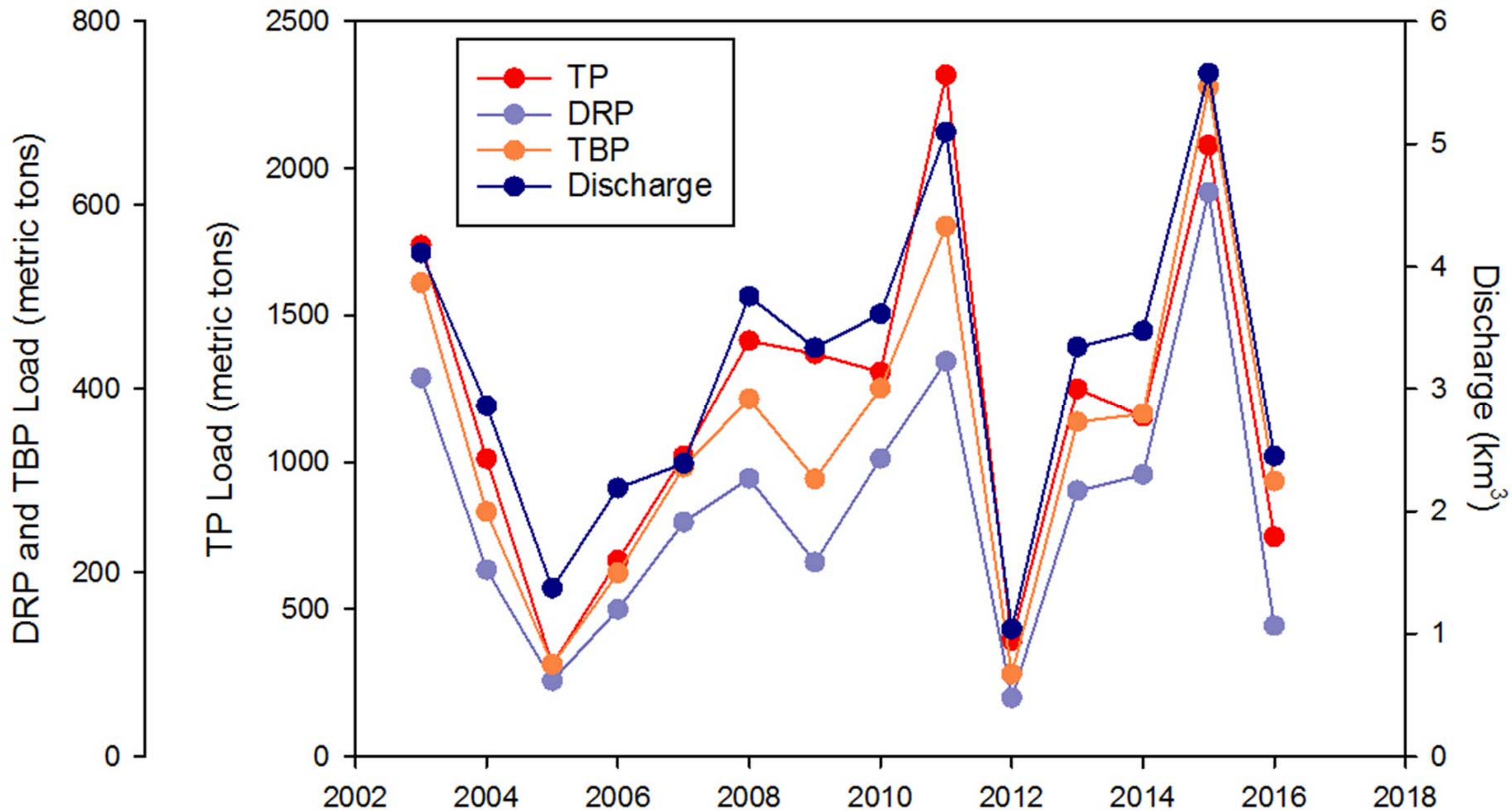
Maumee at Waterville 2016



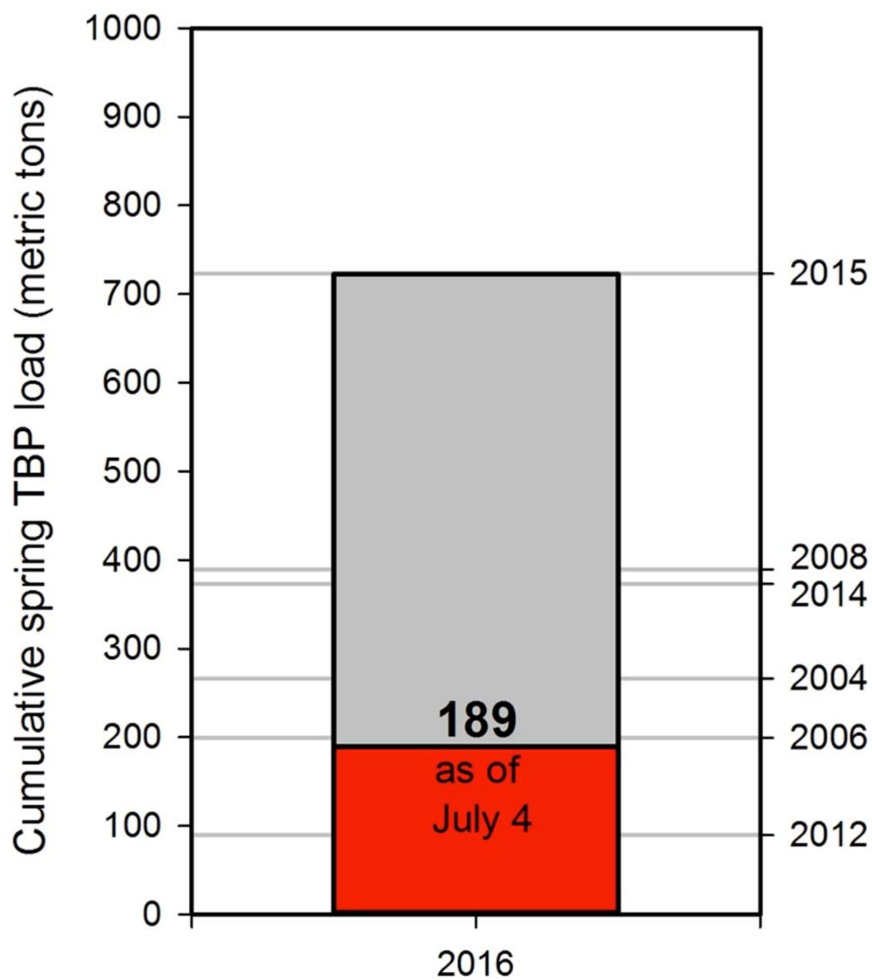
Patterns with each storm event is unique, which is why we need to monitor regularly!

Maumee at Waterville 2016

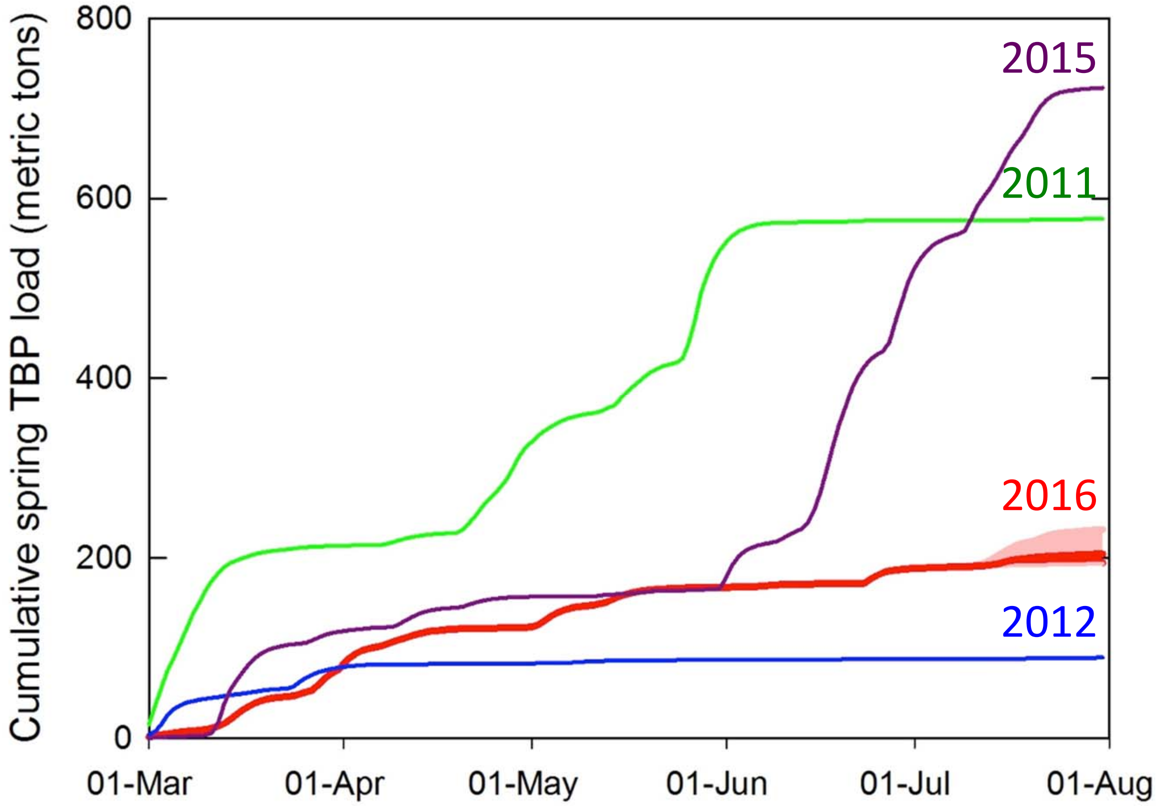
Phosphorus load and discharge track each other



Maumee at Waterville 2016
Total bioavailable P load



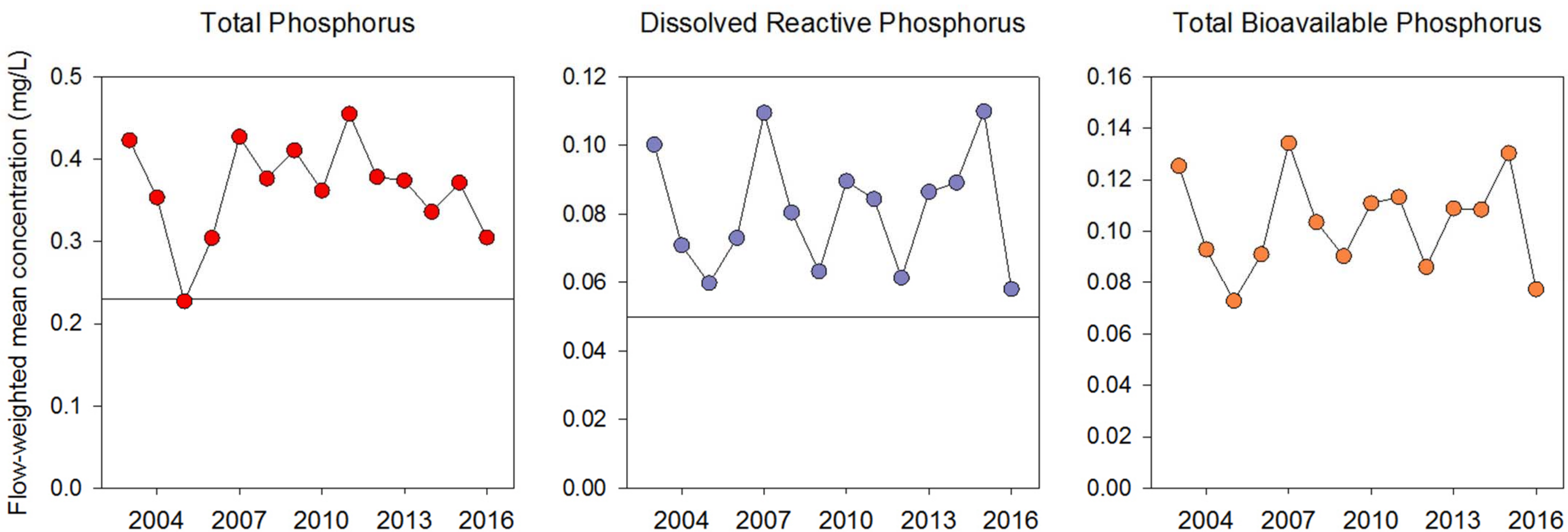
Maumee at Waterville 2016
Total bioavailable P load



July 5 – 31 projected with NWS Ohio River Forecast Center data

March 1 – July 31, 2016
- TBP load : 194 – 232 t
- DRP load: 147 – 180 t
- TP load: 218 – 840 t

Maumee at Waterville 2016
flow-weighted mean concentration

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