

# Monitoring Pollution from a Rain Event



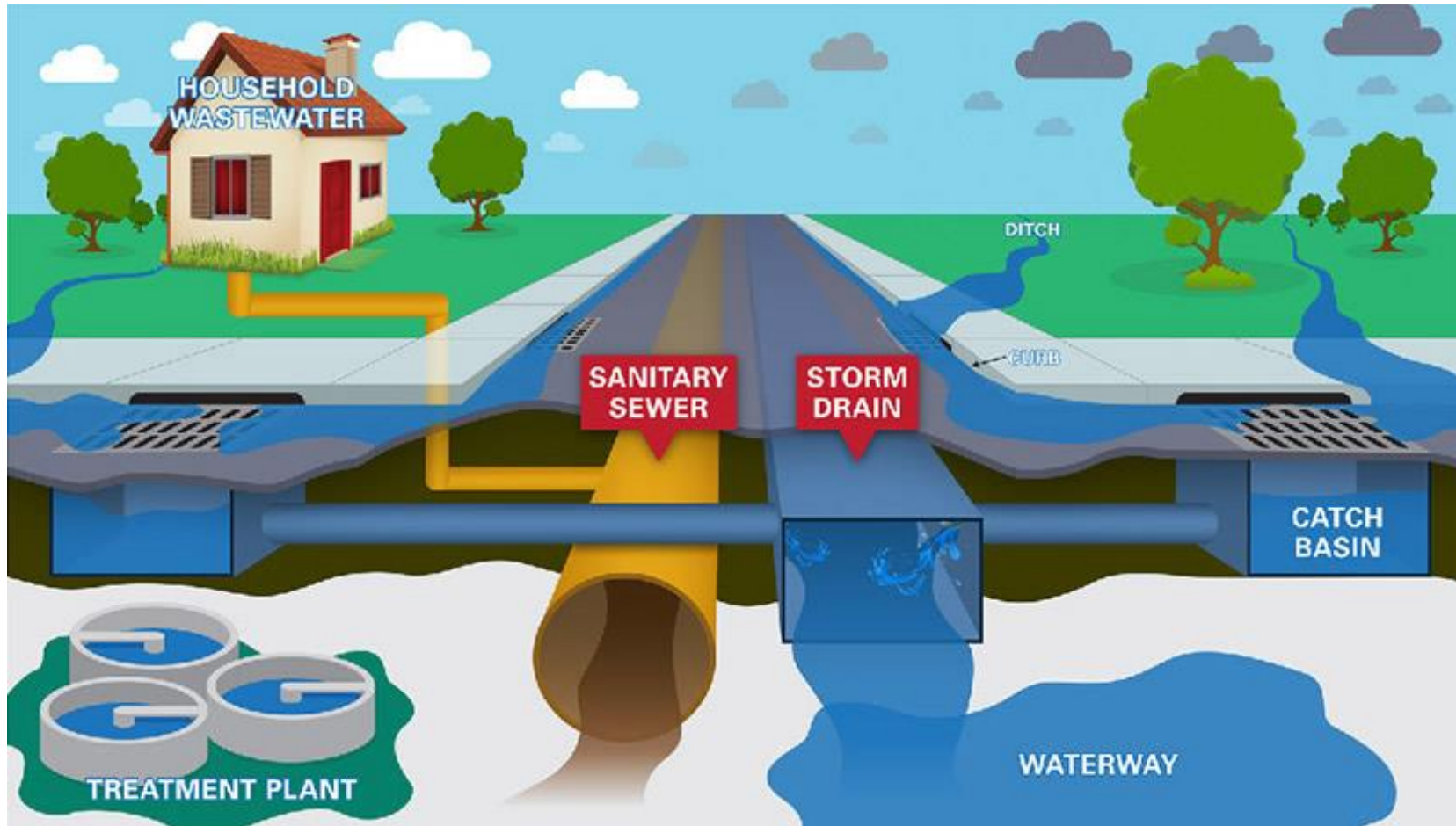
Surface Drainage and Debris Accumulation

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Manager

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# What happens during a rain storm?



Separate  
storm sewers  
ONLY receive  
stormwater.



# Where does all of the roadway debris go?





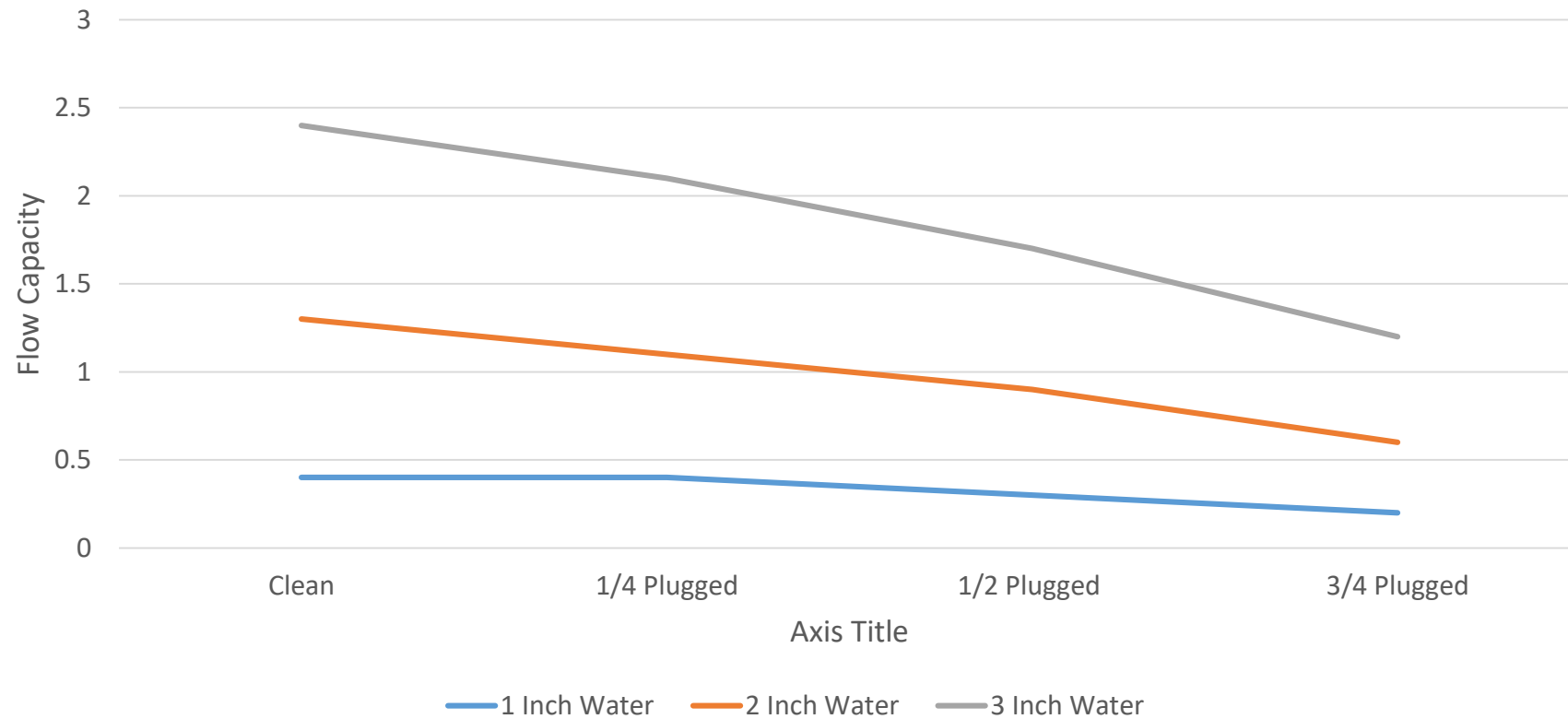
# Where does all the roadway debris go?



# Clogged Grating Impacts on Water Flow



Flow Capacity In Relation to Grate Opening

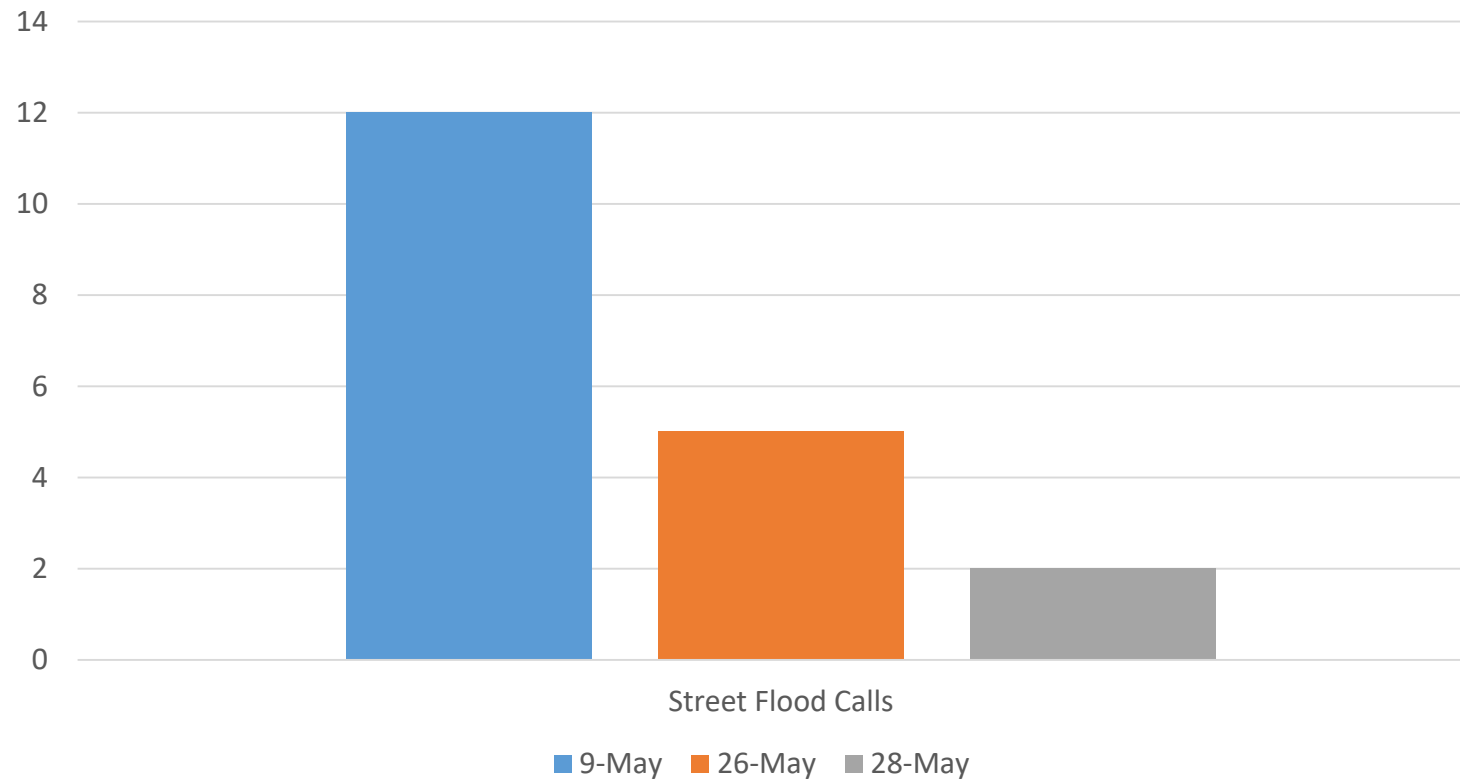


The more plugged a grate is, the less water can pass through it causing the water to rise and flood the street.

# Street Flooding Calls (May 2021)



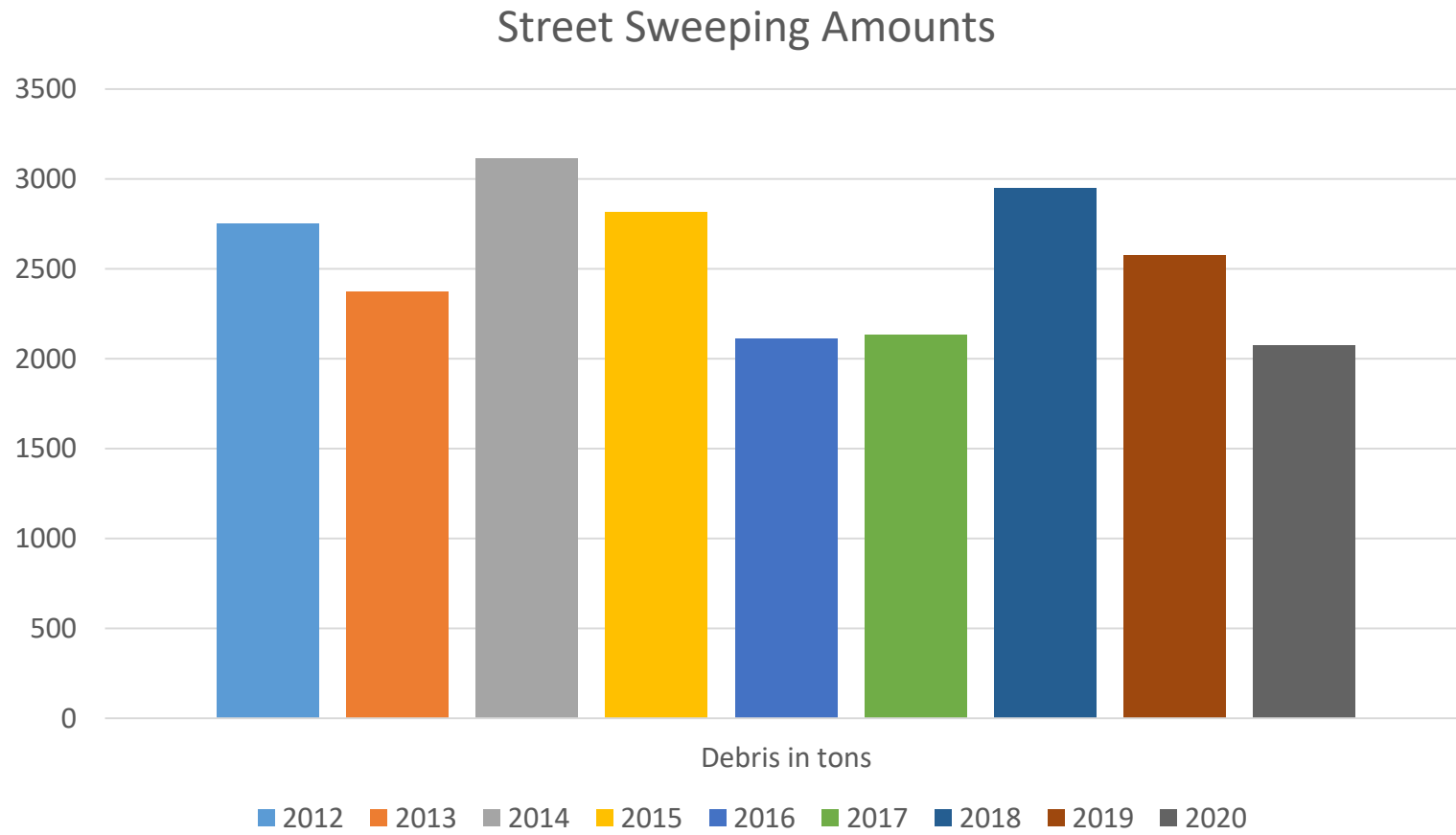
Street Flood Calls In May 2021



According to the same rain gauge  
1.65" fell on 5/9  
0.74" fell on 5/26  
0.79" fell on 5/28

Please note that the longer a dry period the more opportunity for debris to accumulate.

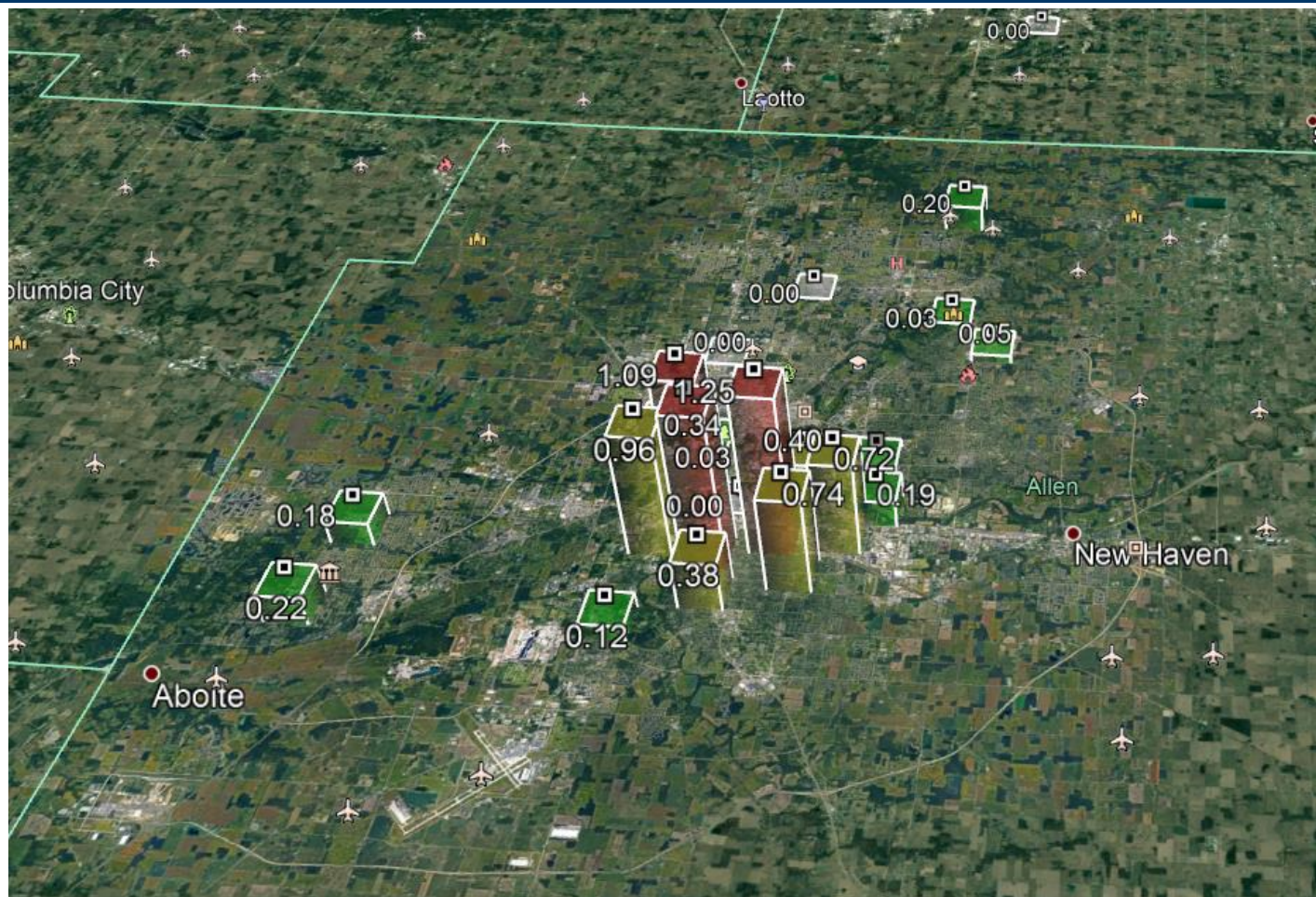
# Street Sweeping Amounts



Average of  
2543 tons  
per year.



# Example of Rain Distribution



Every rain event is unique in that it is not an equal distribution of rain.



# Impacts of cleaning an inlet



**Storm Inlet Before Cleaning**



**Storm Inlet After Cleaning**

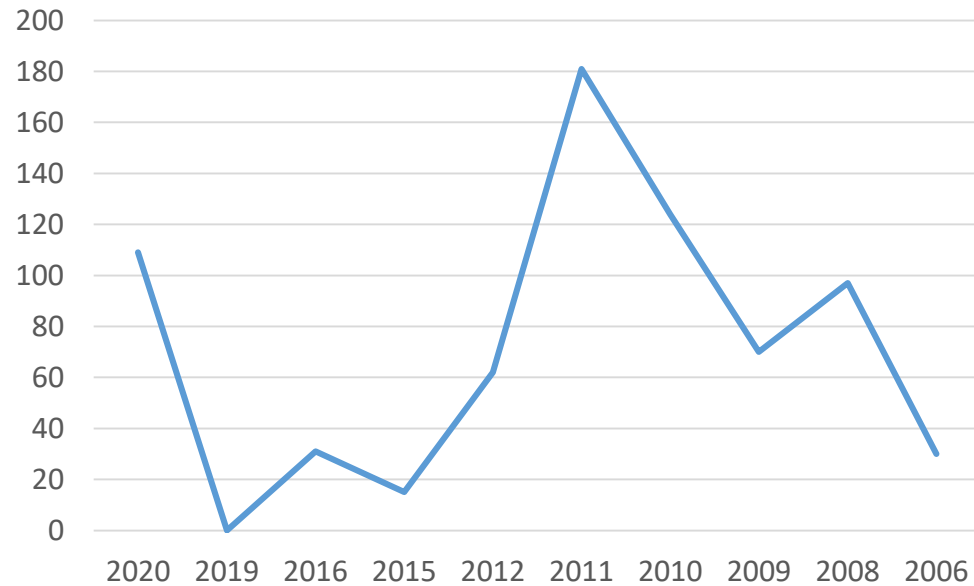




# How the public can help



Storm Drains Marked



- Mark storm drains to bring awareness to them (only 721 marked)
  - With over 20,000 storm drain in Fort Wayne this is a tall order.
- Clean storm drains when you see them covered.
- Call 311 when you see improper use of storm drains (dumping).



# Partnership with Friends of the Rivers



## Clean Drains Fort Wayne

*Be River SmART*



A community art undertaking to educate Fort Wayne about the connection between our storm drains and rivers.

# Clean Drains Fort Wayne

*Be River SmART*



## 3-year Project Goals:

- Raising community awareness that only rain should flow into storm drains
- Beautifying and clean-up neighborhood landscapes and drains
- Engaging neighborhood residents
- Keeping our rivers clean





# Inspiration for Artists



30 Drain Murals  
Downtown



20 Drain Murals in  
Neighborhoods  
(5 per quadrant)





Be River SmART: Help protect our waterways



## DRAIN STORMING

ACTIVITIES for NEIGHBORHOODS

### Join Us!

Join Friends of the Rivers and Fort Wayne City Utilities in supporting, protecting, preserving, and celebrating Fort Wayne's most precious natural resource—the *St. Marys, St. Joseph, and Maumee Rivers*.

### Clean Drains Fort Wayne

*Clean Drains Fort Wayne* is an initiative to encourage Fort Wayne residents to become protective stewards of our rivers by ensuring nothing but rainwater enters storm drains.

*Friends of the Rivers mission is to elevate the value and importance of Fort Wayne's three rivers.*

**CLEAN  
DRAINS**  
FORT WAYNE



[cityoffortwayne.org/utilities](http://cityoffortwayne.org/utilities)



Please attend World Rivers  
Day on September 26 at  
Promenade Park



[cityoffortwayne.org/utilities](http://cityoffortwayne.org/utilities)