

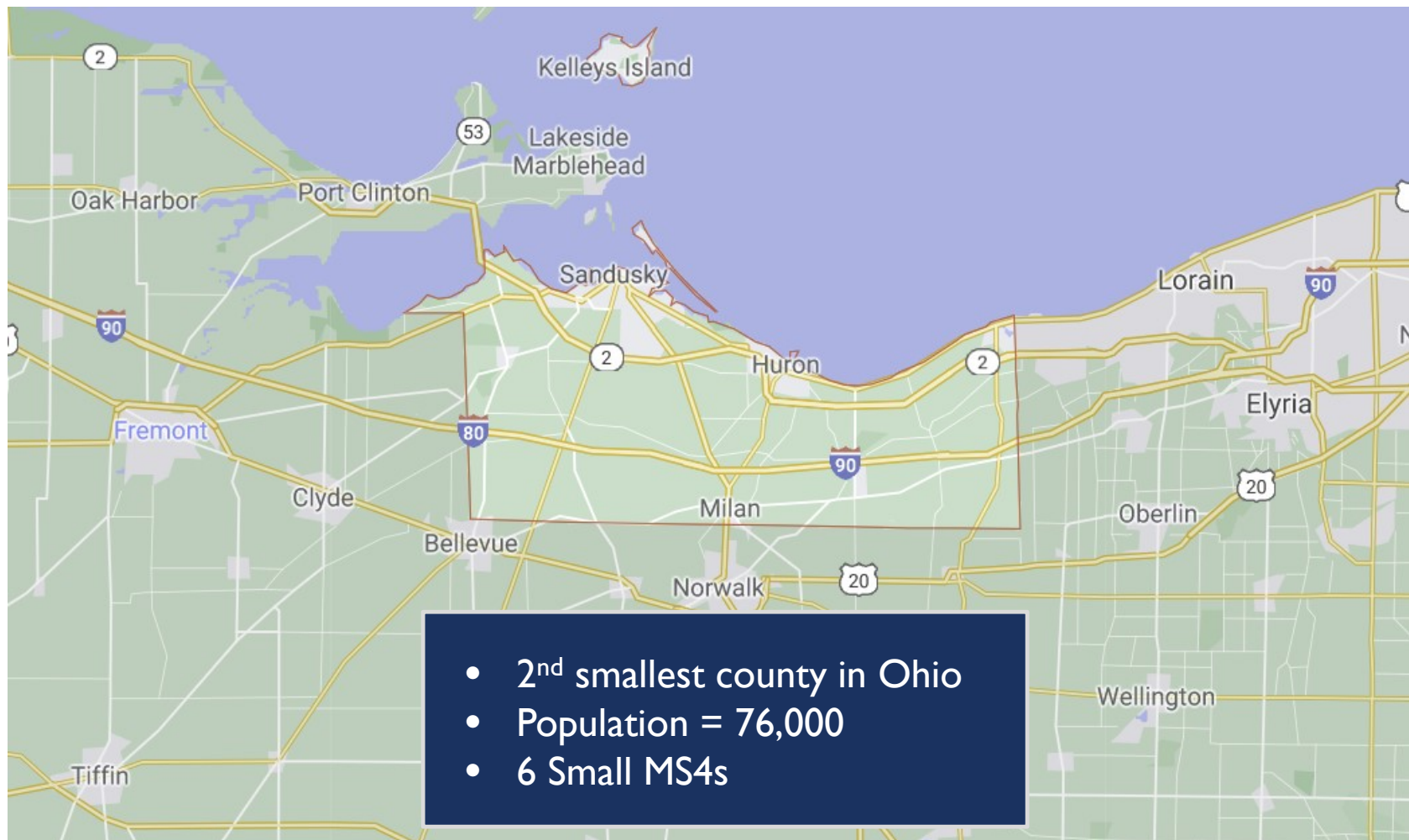
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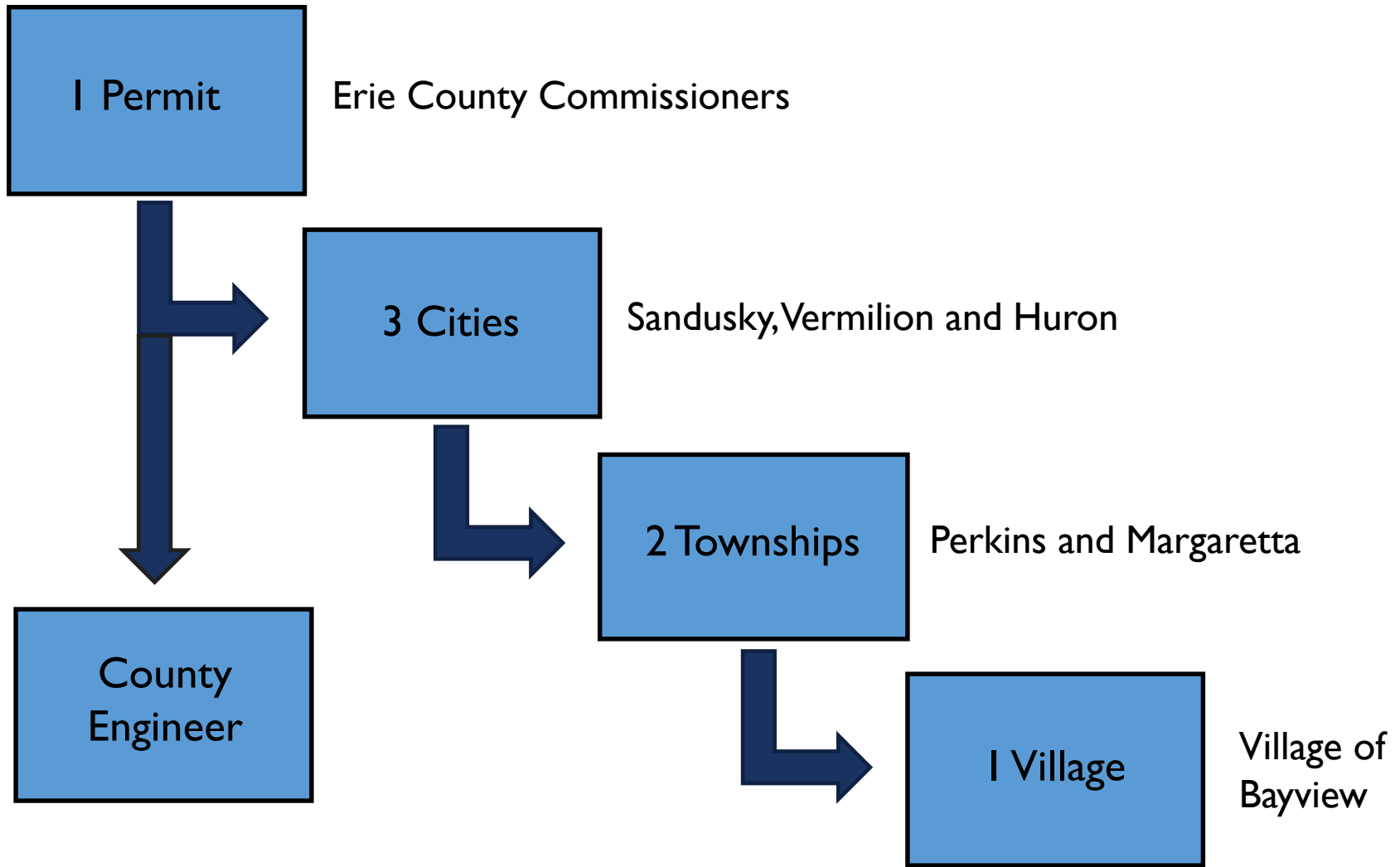
# THE CO-STRUGGLES OF CO-PERMITTEES

Melissa Feliciano  
Stormwater Program Coordinator



# ERIE COUNTY





# MS4 PERMIT

- 6 Minimum Control Measures (MCMs)
  - 1- Public Education on Stormwater Impacts
  - 2 - Public Involvement & Participation
  - 3 - Illicit Discharge Detection & Elimination
  - 4 – Construction Site Stormwater Runoff Control
  - 5 - Post-Construction Stormwater Management
  - 6 – Pollution Prevention/Good Housekeeping for Municipal Operations

We help each MS4 with every MCM!

# CHALLENGES WITH CO-PERMITTEES

- Amount of field staff varies
- Variation in job responsibilities among each MS4
- MS4 staff continuously changing
- Differences in skill sets

## **Perkins:**

4 highway department  
road maintenance, street sweeping, leaf  
collection, cb repairs/storm sewer  
maintenance, plowing  
104 outfalls  
80 post-construction bmps

## **Margaretta:**

2 highway department  
road maintenance, ditch cleanouts, and  
plowing  
25 outfalls  
6 post-construction bmps

# STRUGGLE #1 - ENFORCEMENT

- Enforcement in a city
  - 3 MS4s (1 village)
  - Ordinances in place
  - IDDE, active construction & post-construction
- Enforcement in a township
  - 2 MS4s
  - No “Home Rule”
  - Tied to Ohio Revised Code

# ENFORCEMENT STRUGGLES

- Active construction & post-construction
  - County Engineer has authority
  - Erie County Stormwater Rules & Regulations adopted
- IDDE
  - County Health Department
  - Investigations
  - Enforce if sewage or public health threat

What about enforcement of non-sewage related illicit discharges?



## WHAT ABOUT THIS ILLICIT DISCHARGE?

- Working with County Sherriff's office
- Notified owners/management of fines possible
- Working on targeted education message geared towards ready-mix companies



## STRUGGLE #2- MAPPING, TRACKING & DATA COLLECTION



# EMBRACING GIS

- County-wide ELA
  - All political jurisdictions and county agencies
- Utilizing GIS for the Stormwater Program
  - IDDE
  - Construction site inspections
  - Post-construction bmp mapping and inspections
  - Quarterly wet & dry weather facility inspections
  - Tracking of MS4 routine maintenance
  - Public education/engagement

# STRUGGLES WITH GIS

- First attempt at mapping with GIS- 2011
  - Ashtech units
  - Costly equipment
  - Summer interns
  - Not clear directions
    - Mapped each invert






# CONTINUED STRUGGLES WITH GIS

- Each MS4 purchasing field equipment
- Building it!
- Training staff to use
- Training staff to use it, again
- Training staff to use it, yet again



# NO MORE TRACKING DOWN PAPERWORK!


 My Survey  

▼ Sample Collection

Time sample was collected:

When was the sample examined:


When did the rain event begin?



**Name of Inspector:**

▼ Facility/Outfall Location

Which facility are you performing an inspection on?



Which outfall are you inspecting?

Was this a substitute sample?

☐ Yes

☐ No

Clarity:



☐ Clear



☐ Slightly Cloudy



☐ Cloudy



☐ Opaque



☐ Other

Please select all that apply:

*Gently shake sample, note if foam (suds) appear when shaking. Also note if solids settle after sample sits for 10-30 mins.*



☐ Floating Solids



☐ Settled Solids



☐ Suspended Solids



☐ Foam



☐ None

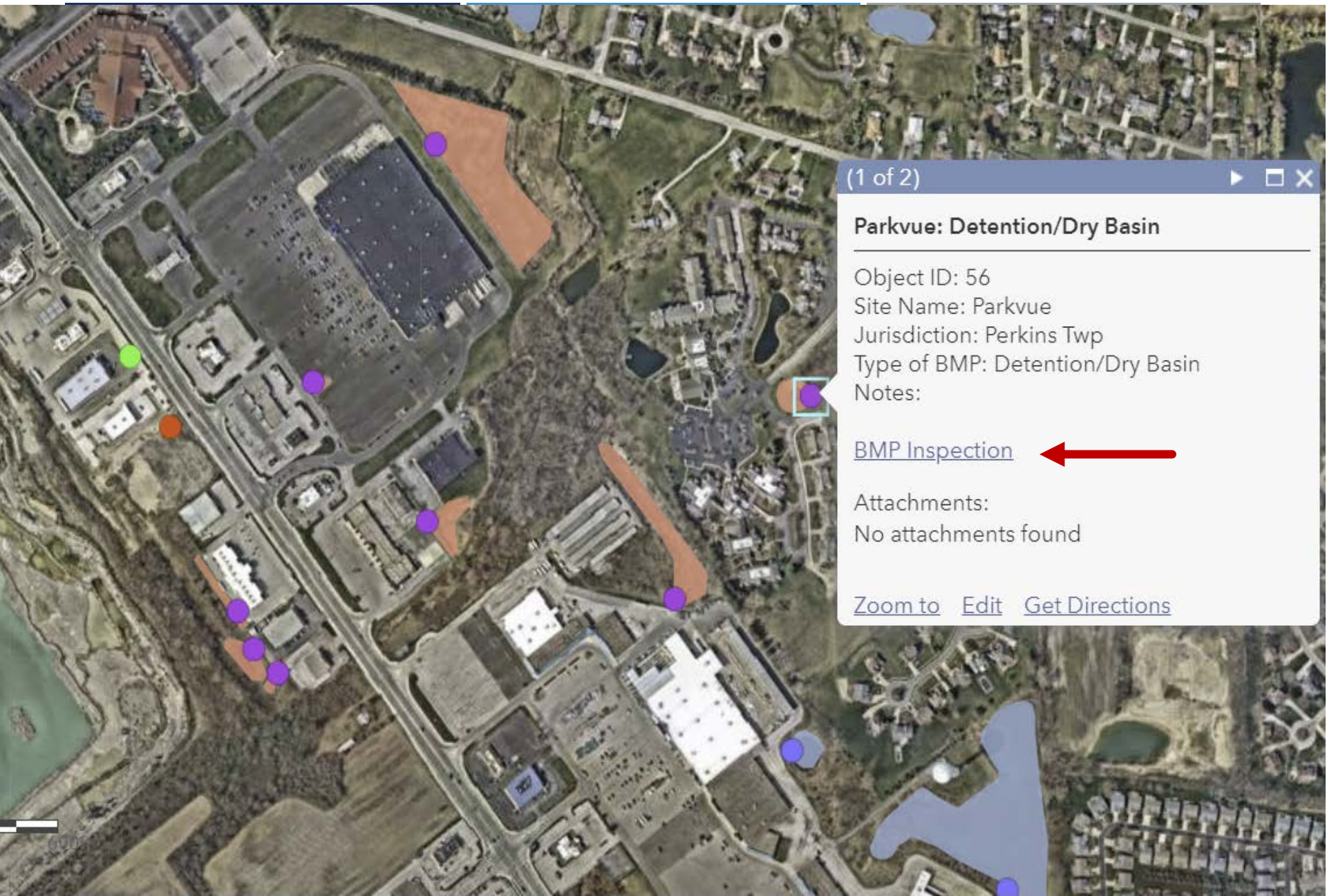
Oil sheen:



☐ None



☐ Flecks & Slick



(1 of 2)



### Parkvue: Detention/Dry Basin

Object ID: 56

Site Name: Parkvue

Jurisdiction: Perkins Twp

Type of BMP: Detention/Dry Basin

Notes:

[BMP Inspection](#)



Attachments:

No attachments found

[Zoom to](#)

[Edit](#)

[Get Directions](#)



# TRACKING DATA

## Dry-Weather Screening Results

5/19/2021 - 5/19/2021



Total  
Outfalls  
Screened

0

Last update: a minute ago

Total Outfalls

44

Last update: a minute ago

Flow Identified

0

Total number of outfalls that had a flow during dry-weather screening

Last update: a minute ago

Number of flows

Damaged Outfalls

4

Last update: a minute ago

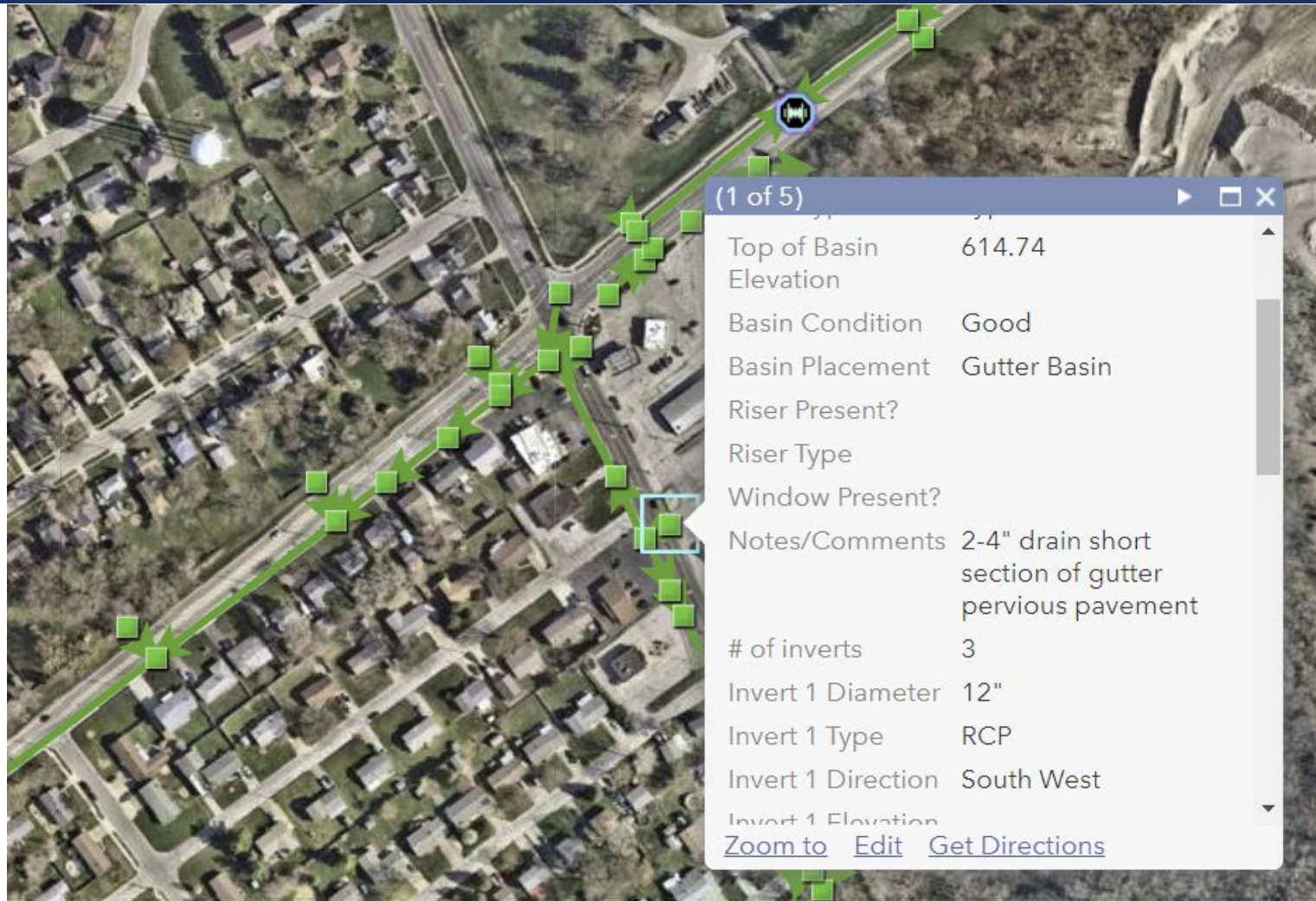
Damaged



Map data © OpenStreetMap contributors, CC-BY-SA

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# CONTINUING TO MAP STORM SEWERS







▼ **Job Information**

Job Performed:

Catch Basin Cleanout

☐

Leaf Pickup

☐

Street Sweeping

☒

Catch Basin Cleanout

Employee(s):

Date of Maintenance



Tuesday, May 18, 2...



1:10 AM



▼ **Debris details**

Loads Collected

Enter to the nearest half-load using decimals

Notes/Comments:



Help keep Lake Erie

**SALT FREE**

by taking our Sensible Salting  
Pledge!

*#saltfreelakeerie*

This winter I pledge to... \*

- ☐ Only use rock salt (sodium chloride) above 15 degrees F.
- ☐ Spread only enough salt to do the job (one coffee mug for 10 sidewalk squares).
- ☐ Spread salt only on surfaces that need to be de-iced (concrete/asphalt/pavers).
- ☐ Never spread salt near a stream or storm drain.
- ☐ Only apply salt right before the snow falls or right after snow is removed.

Which community do you live in? \*

What's your email address? \*

Your email will not be shared! (But we need it for you to get your **FREE Sensible Salting Gift!**)

Please mark your location on the map. \*



**Total Pledges**



**100**

# QUESTIONS?

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