



120-inch Water Main Break (WMB)

120-inch Water Main Break Largest size transmission main in GLWA system

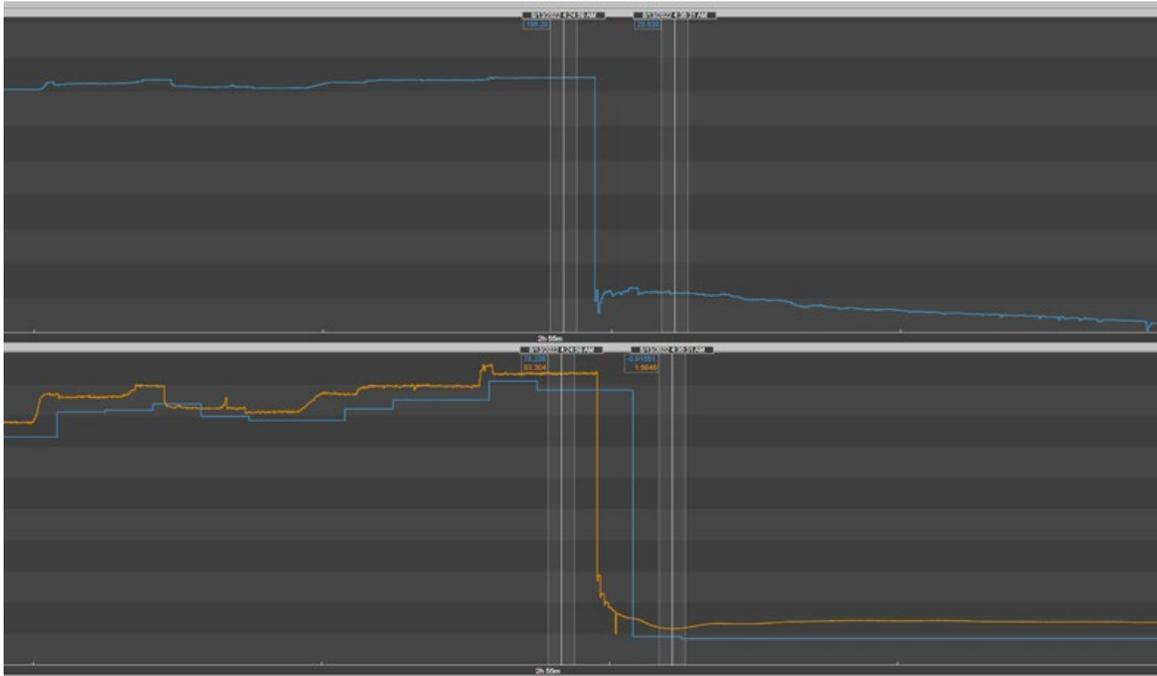
- 4:30am on Saturday, August 13, 2022
- 23 communities impacted
- 935,000 estimated people
- One business in Greenwood
- One business in Imlay Township
- BWA issued



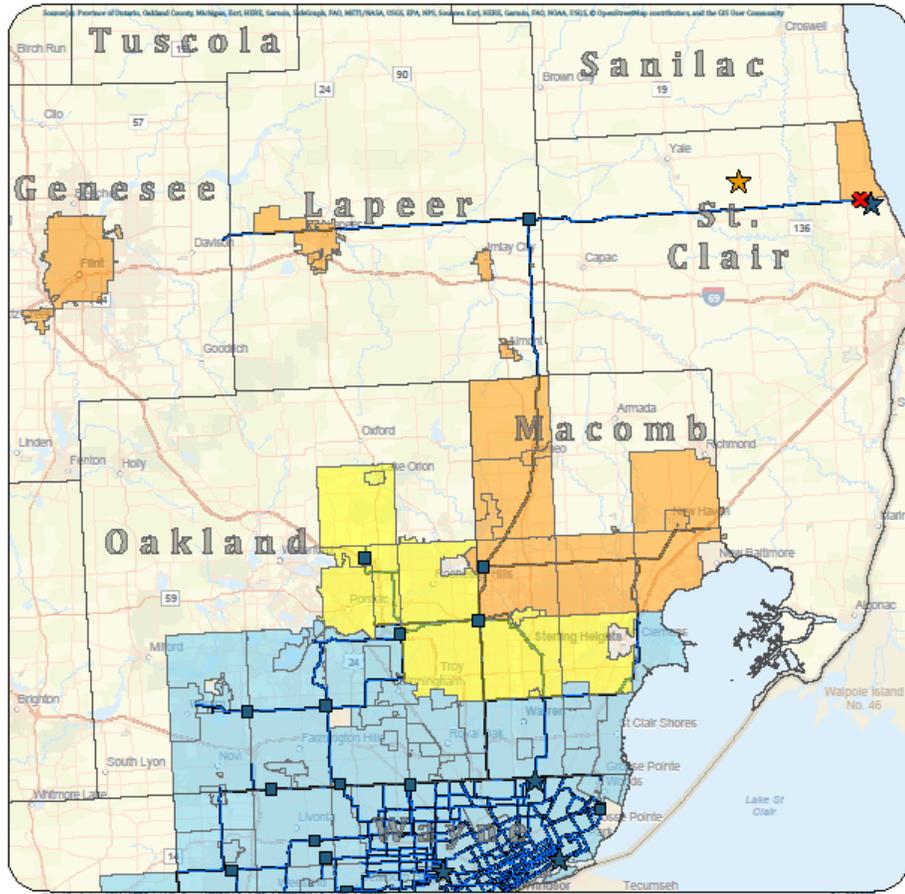
How GLWA knows there is a WMB?

Monitoring from System Control

- Lake Huron Discharge
- Imlay Pump Station

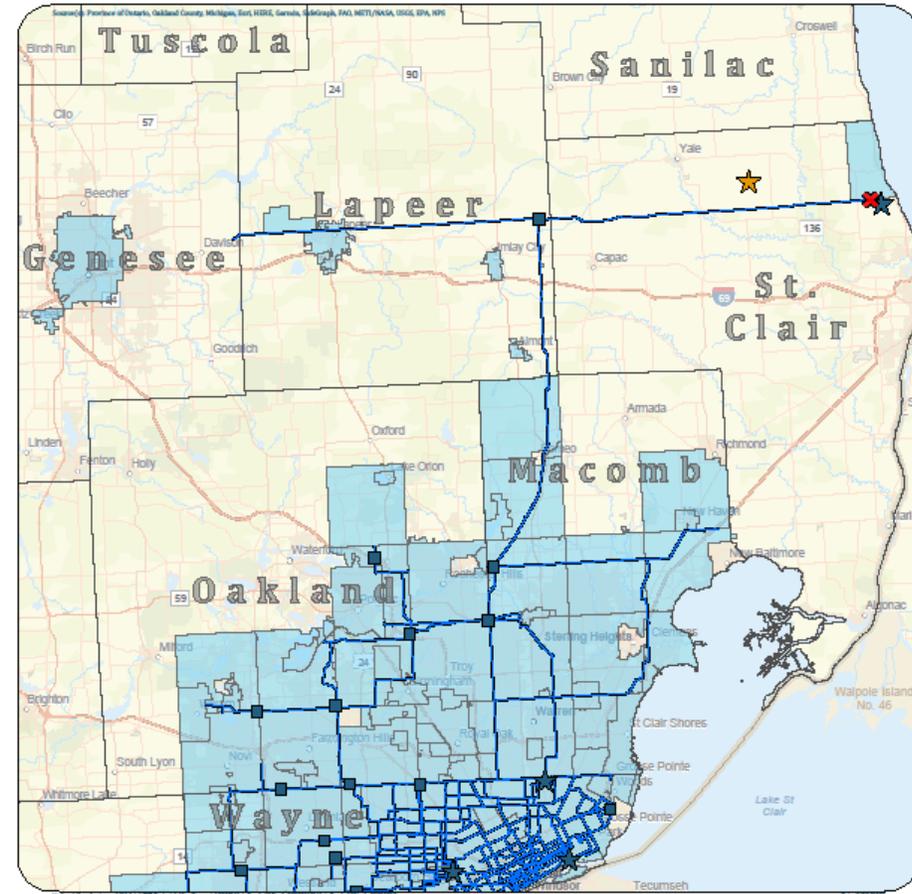


Initial and Current Maps



120" Main Break
Affected Member Partner
Communities

- ✖ Main Break Location
- ★ DTE Greenwood Facility
- Area with Low or No Water Pressure
- Area with Lower than Normal Water Pressure
- Unaffected GLWA Water Service Area
- GLWA Transmission Main
- ★ Water Treatment Plant
- Booster Pump Station



120" Main Break
Affected Member Partner
Communities

- ✖ Main Break Location
- ★ DTE Greenwood Facility (Under a Boil Water Advisory)
- GLWA Water Service Area
- GLWA Transmission Main
- ★ GLWA Water Treatment Plant
- GLWA Booster Pump Station



23 Impacted Communities

- Village of Almont
- City of Auburn Hills
- Bruce Township
- Burtchville Township
- Chesterfield Township
- Clinton Township
- City of Flint
- Flint Township
- City of Imlay City
- City of Lapeer
- Lenox Township
- Macomb Township
- Mayfield Township
- Village of New Haven
- Orion Township
- City of Pontiac
- City of Rochester
- City of Rochester Hills
- Industrial Park in Romeo
- Shelby Township
- City of Sterling Heights
- City of Troy
- City of Utica
- Washington Township
- One business in Greenwood
- One business in Imlay Township

*Added late

Impacted Communities down to 13 by 3pm August 13, 2022 – Update #1

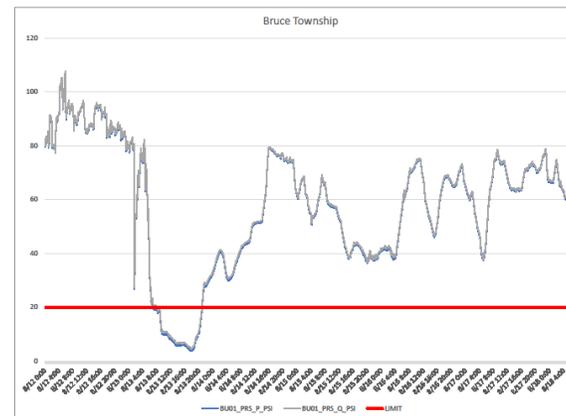
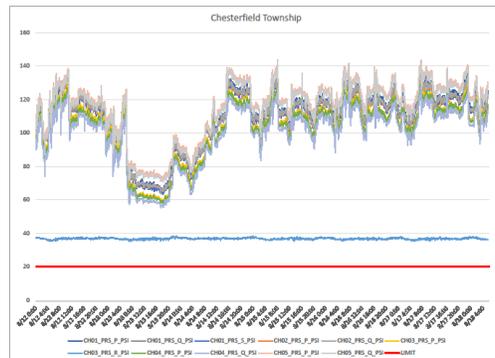
- Village of Almont
- ~~City of Auburn Hills~~
- Bruce Township
- Burtchville Township
- Chesterfield Township
- ~~Clinton Township~~
- ~~City of Flint~~
- ~~Flint Township~~
- City of Imlay City
- ~~City of Lapeer~~
- Lenox Township
- Macomb Township
- Mayfield Township
- Village of New Haven
- ~~Orion Township~~
- ~~City of Pontiac~~
- City of Rochester
- ~~City of Rochester Hills~~
- Industrial Park in Romeo*
- Shelby Township
- ~~City of Sterling Heights~~
- ~~City of Troy~~
- ~~City of Utica~~
- Washington Township
- **One business in Greenwood**
- One business in Imlay Township

*Updated at 8pm – proximity to break will be out of water until repair is completed

24-hr later some water pressure restored 7 Communities (133,000 people) on BWA

Update #3 BWA lifted for:

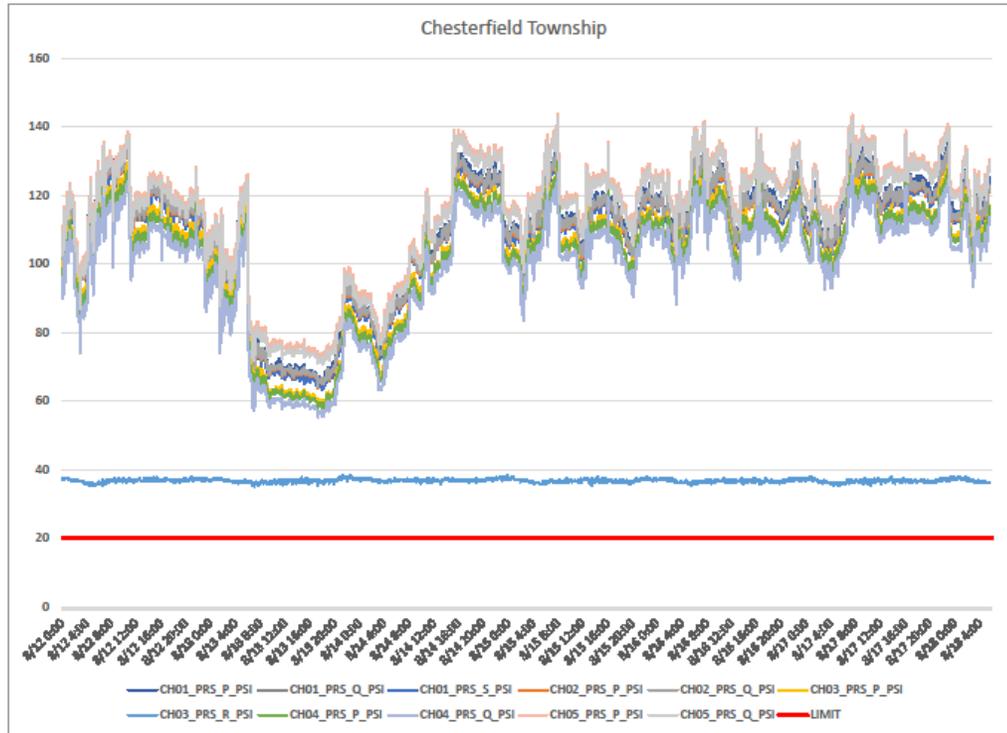
- Chesterfield Township
- Lenox Township
- Mayfield Township
- Macomb Township
- City of New Haven



7 communities still under BWA:

- Village of Almont
- Bruce township
- Burtchville Township
- Imlay City
- City of Rochester
- Shelby Township
- Washington Township
- One business in Greenwood
- Industrial park in Romeo

Community Connections to GLWA Upclose



Sunday, August 14, 2022

- Water main break isolated
- Preparation for repair begin
- Estimated timeframe 2-weeks

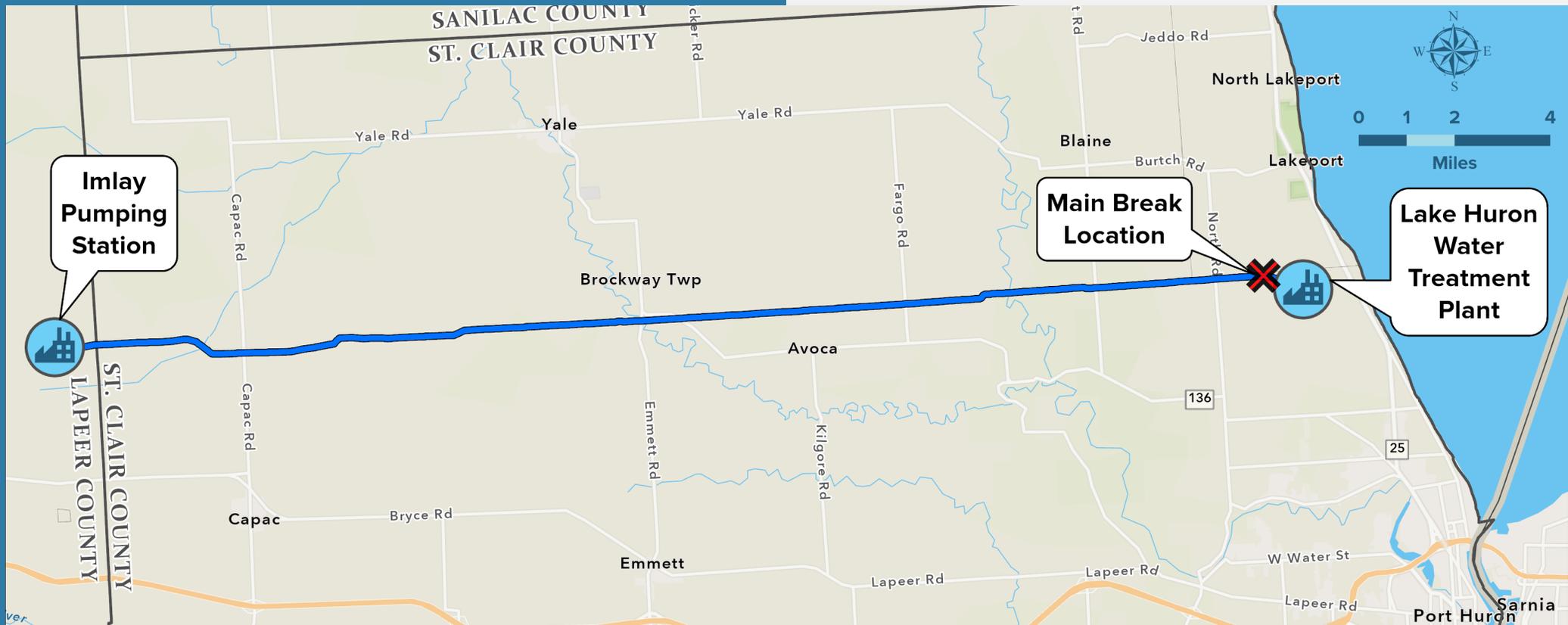




New Pipe arrives Monday Update #4

Inspection Area

26 miles





Inspection Time

Cause of failure currently unknown



The Field Team at work



Click to add text



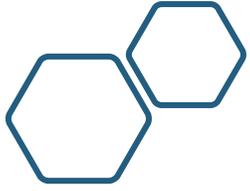
GLWA

Great Lakes Water Authority



GLWA

Great Lakes Water Authority



Length of pipe to be repaired increased Update #5





**Working to
remove
damaged
pipe**







THANK YOU
to the
GLWA Springwells and Northeast Teams
for keeping the water flowing during the water main break



THANK YOU
to the
GLWA lake Huron Team
for the innovative idea for one Member Partner to
restore and keeping the water flowing
during the water main break

GLWA Delivering Water to Eastern Michigan Fairgrounds in Imlay City





THANK YOU
to the
GLWA Southwest Team
for the service you render to our
customers in need of water



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WATER QUALITY LABORATORY

Water from points throughout the regional system are verified for quality & integrity beyond the treatment plant.



The Water Quality Laboratory is a state of Michigan certified laboratory that is responsible for ensuring water quality in the piping systems of both GLWA member partners by analyzing samples throughout the regional system. Regulatory changes the Water Quality Laboratory for the test



THANK YOU
to the
GLWA Water Quality Team
for testing the water to ensure water quality
and position us to lift the Boil Water Advisory



Boil Water Advisory Lifted Update #9



- In collaboration with EGLE and the 7 remaining communities plus the Industrial Park in Romeo relieved of the BWA
- Water Quality Testing completed
- BWA lifted on Saturday, August 20, 2022

One business in Greenwood due to proximity to break will be out of water until repair is complete