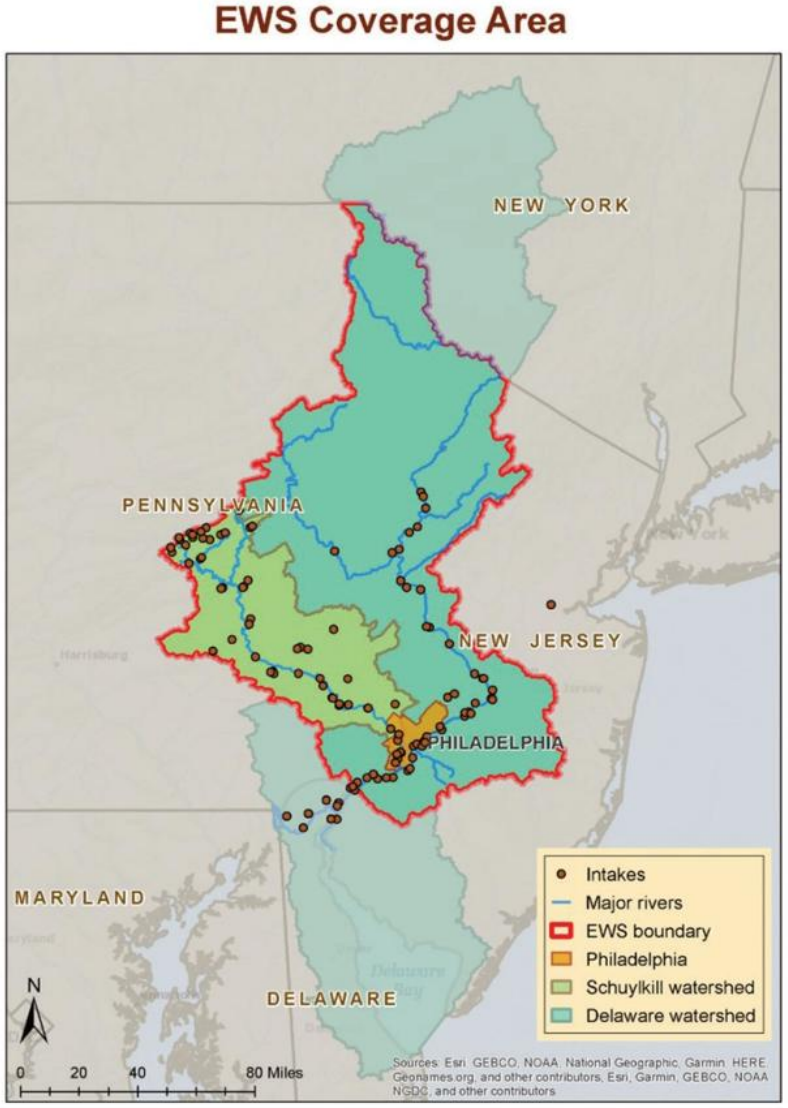
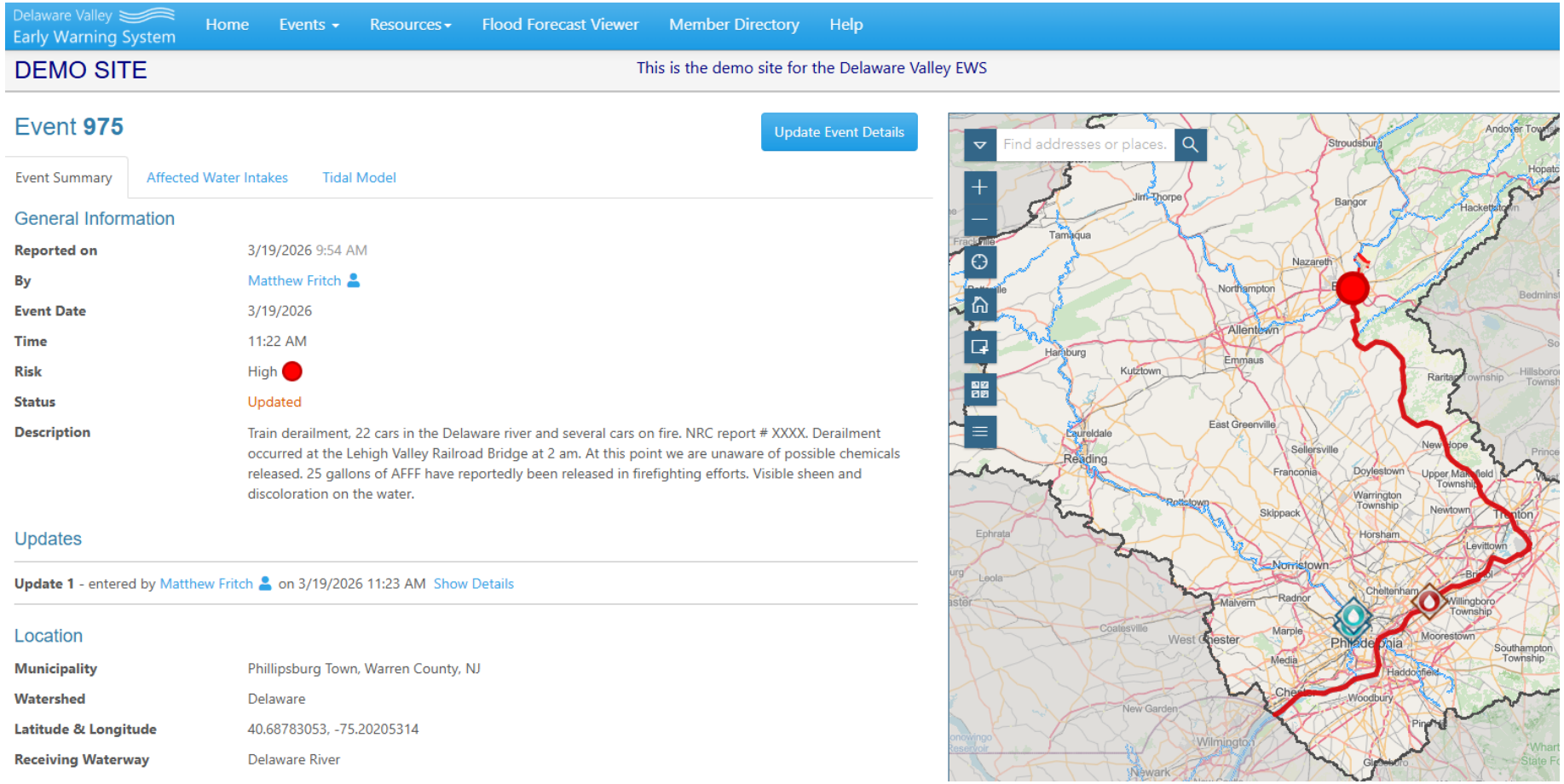
Delaware Valley Early Warning System



- Delaware Valley Early Warning System (EWS): a notification and modeling system to provide advance warning of water contamination events
- Development began in 2002 by PWD
- More than 500 subscribers from 62 organizations (utilities, industry, regulators)
- Web-based tool with email and telephone notifications
- Users report events
- Model estimates arrival time of spill at intakes

Live Event Reporting



- Used a demo version of EWS
- Live reporting of event during tabletop exercise
- Ease of use
- Any EWS subscriber can report
- Write what you know
- Tabletop exercise attendees could log into demo version for updates on their own devices

Riverine Model EWS Results

demo.delawarevalleyews.org

Delaware Valley Early Warning System | Home | Events | Resources | Flood Forecast Viewer | Member Directory | Help | Fritchm

DEMO SITE — This is the demo site for the Delaware Valley EWS

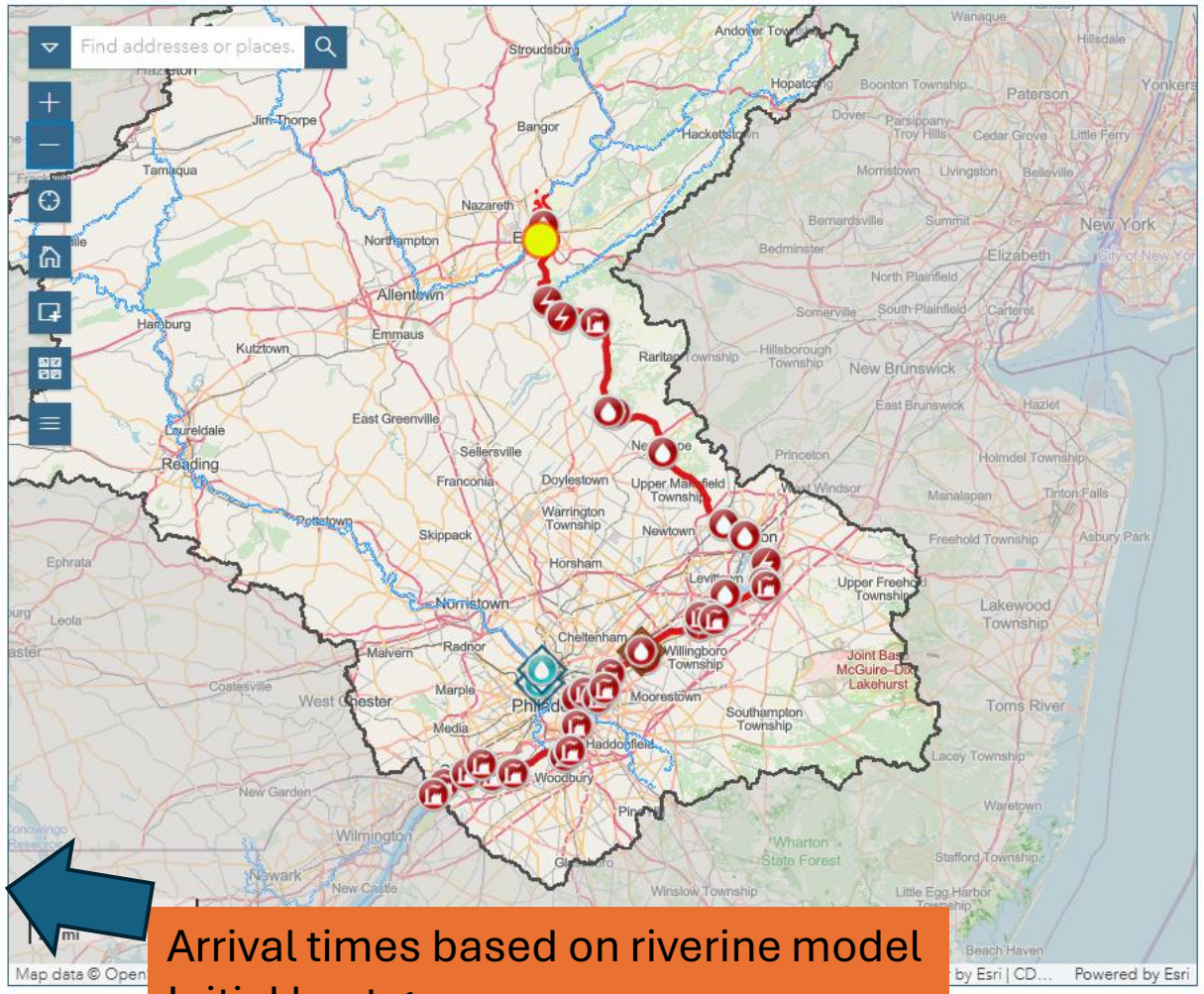
Event 972

Update Event Details

Event Summary | Affected Water Intakes | Tidal Model

Affected Water Intakes

Name	Type	Arrival Time with current flow	Arrival Time with historic max flow	
Easton		Not Calculated	Not Calculated	Map
Reliant-Milford		3/4/2026 7:37 PM	3/4/2026 3:55 PM	Map
Jersey Central P&L		3/4/2026 10:39 PM	3/4/2026 5:52 PM	Map
Crown Vantage		3/5/2026 2:38 AM	3/4/2026 8:26 PM	Map
NJWS-D&R Canal		3/5/2026 12:33 PM	3/5/2026 2:48 AM	Map
Forest Park Water		3/5/2026 12:33 PM	3/5/2026 2:48 AM	Map
Bucks Co		3/5/2026 8:48 PM	3/5/2026 8:05 AM	Map
Morrisville		3/6/2026 6:31 AM	3/5/2026 2:20 PM	Map
PAWC-Yardley		3/6/2026 6:31 AM	3/5/2026 2:20 PM	Map
Trenton				
PSEG-2		3/6/2026 12:08 PM	3/5/2026 5:56 PM	Map
US Steel		3/6/2026 3:36 PM	3/5/2026 8:10 PM	Map
Stepan		3/6/2026 3:36 PM	3/5/2026 8:10 PM	Map
Lower Bucks JMA		3/6/2026 8:58 PM	3/5/2026 11:36 PM	Map
US Pipe		3/6/2026 10:56 PM	3/6/2026 12:52 AM	Map
Burlington		3/6/2026 11:30 PM	3/6/2026 1:14 AM	Map
AQUA-Bristol		3/6/2026 11:30 PM	3/6/2026 1:14 AM	Map



Arrival times based on riverine model
Initial best guess

demo.delawarevalleyews.org

Tidal Model EWS Results

Event **972**

Update Event Details

Event Summary | Affected Water Intakes | Tidal Model

Tidal Model

What does the tidal model display? Learn More

Final Tidal Model results are available

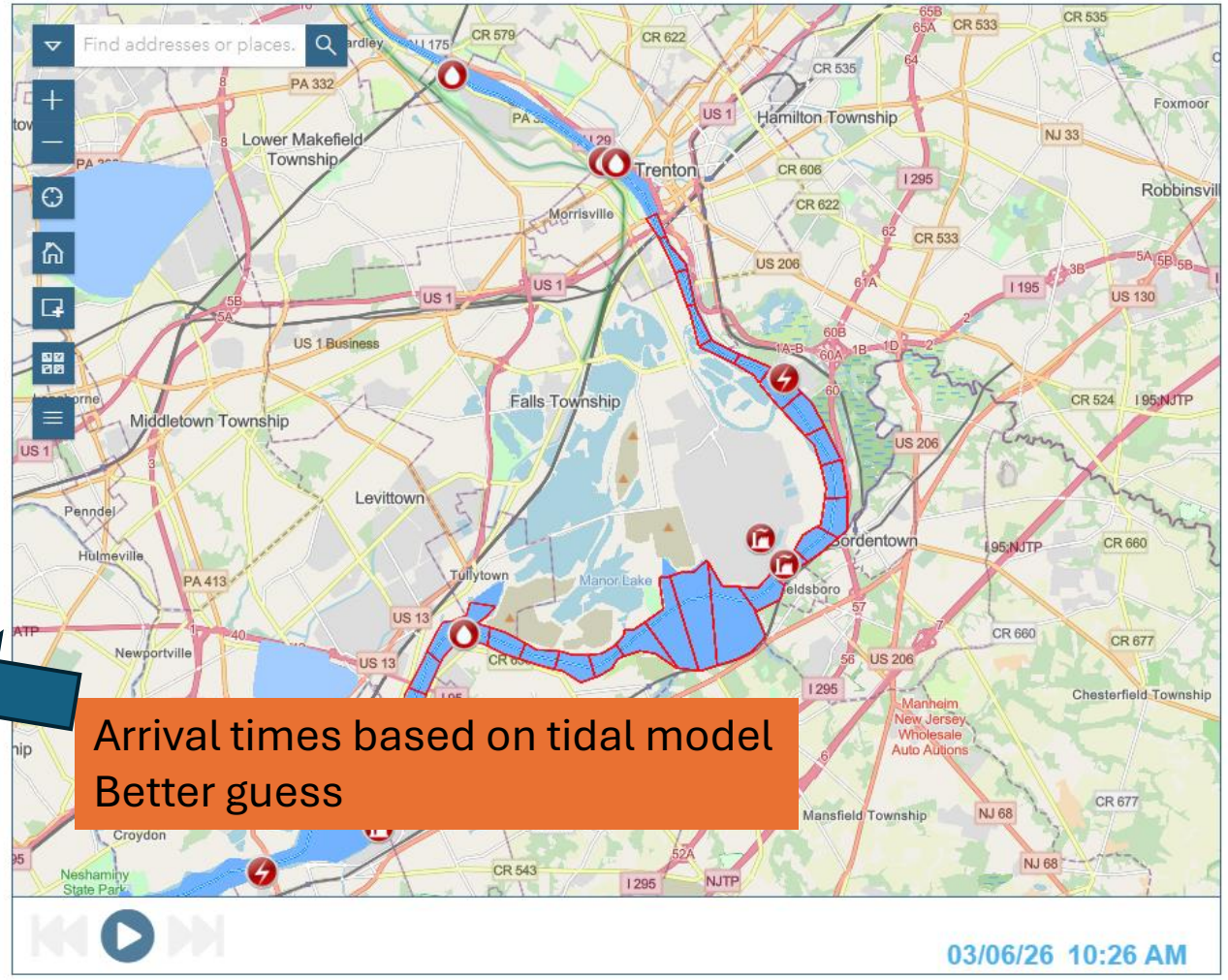
Check out the map to review results from **Thursday, 3/5/2026** at **4:36 PM**

There are no future Tidal Model updates scheduled for this event

Intake Arrival Times - *list of intakes may change with subsequent model updates every 6 hours*

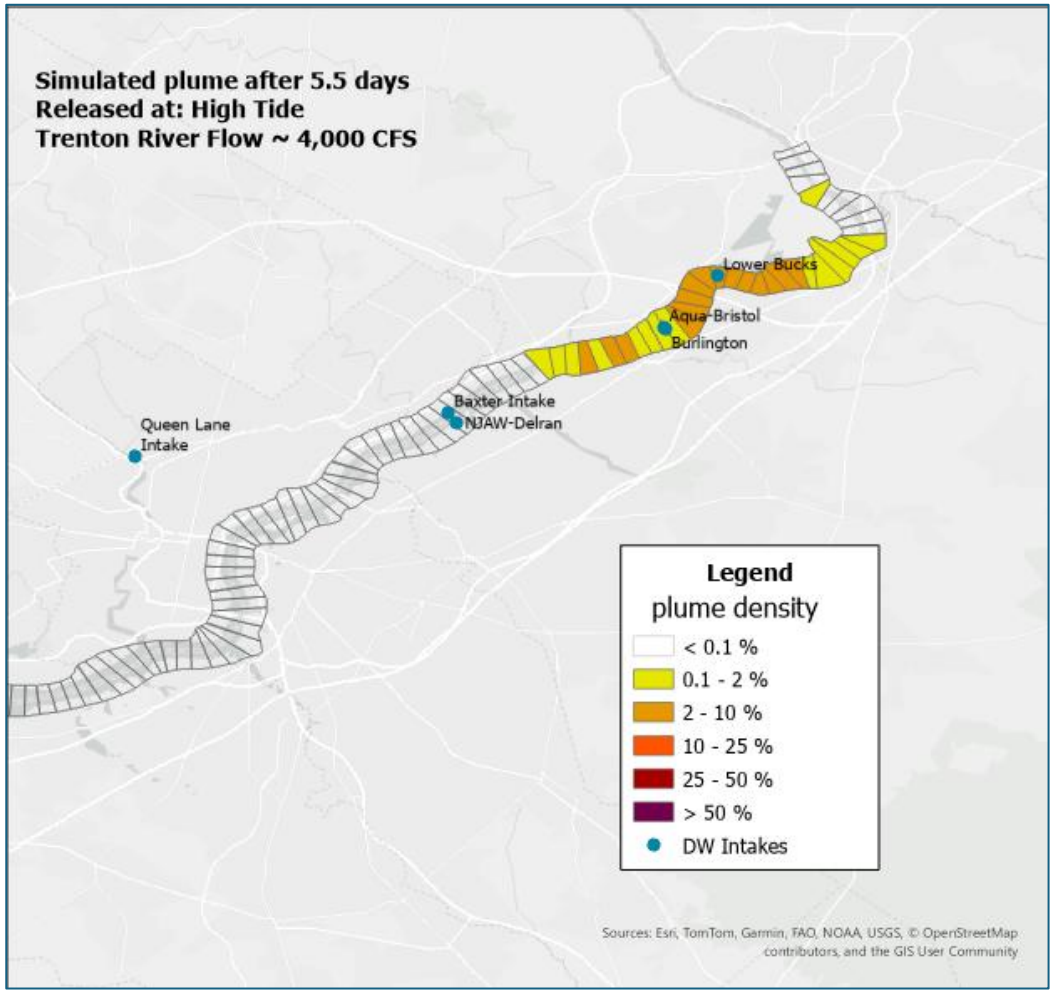
Name	Arrival Time
PSEG-2	3/6/2026 11:26 AM
Stepan	3/6/2026 7:26 PM
US Steel	3/6/2026 7:26 PM
Lower Bucks JMA	3/7/2026 8:26 AM

Show Tidal Model Run History



Early Warning System - Takeaways

- New users and subscriber information updates
- Subscribers must opt in to receive telephone alerts
- Suggestion: Text notifications for events
- Suggestion: Ability to attach photos or video to event reporting
- Opportunities for EWS user trainings
- Understanding of EWS modeling capabilities
- EWS is a primary tool for communicating during emergency events



Would take several days after entering tidal system to reach any DW intakes