



Buckeye Pipeline Line 402 Discharge

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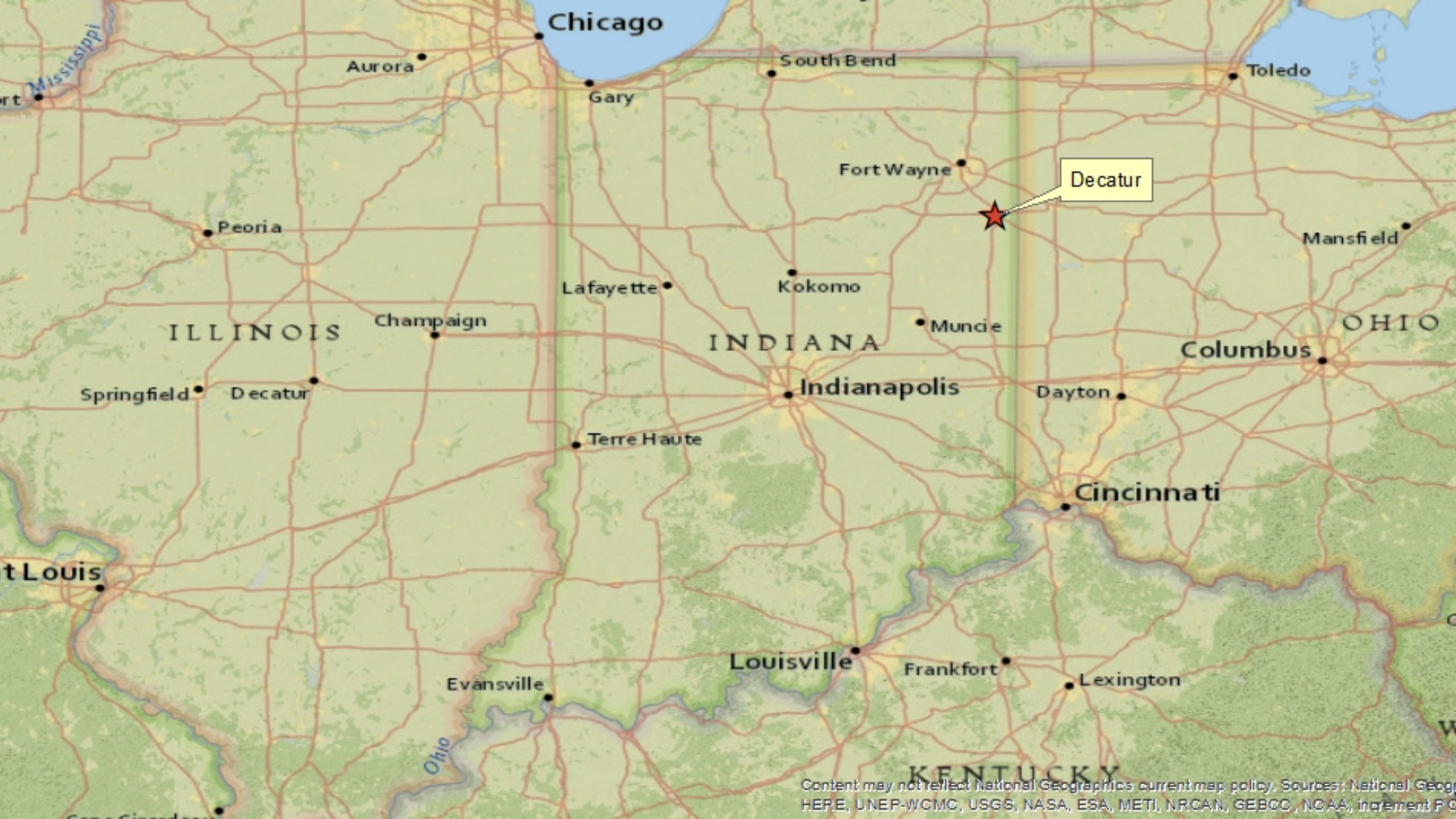
April 25, 2019

Initial Response Timeline



September 7, 2018

1953 hours: Buckeye Partners reported a 180-barrel jet fuel discharge from a Buckeye pipeline in Decatur, IN/St. Mary's River to the National Response Center (#1223952)



Chicago

Aurora

South Bend

Toledo

Gary

Fort Wayne

Decatur

Peoria

Mansfield

ILLINOIS

Champaign

Lafayette

Kokomo

INDIANA

Muncie

Columbus

OHIO

Springfield

Decatur

Indianapolis

Dayton

Terre Haute

Cincinnati

St. Louis

Louisville

Frankfort

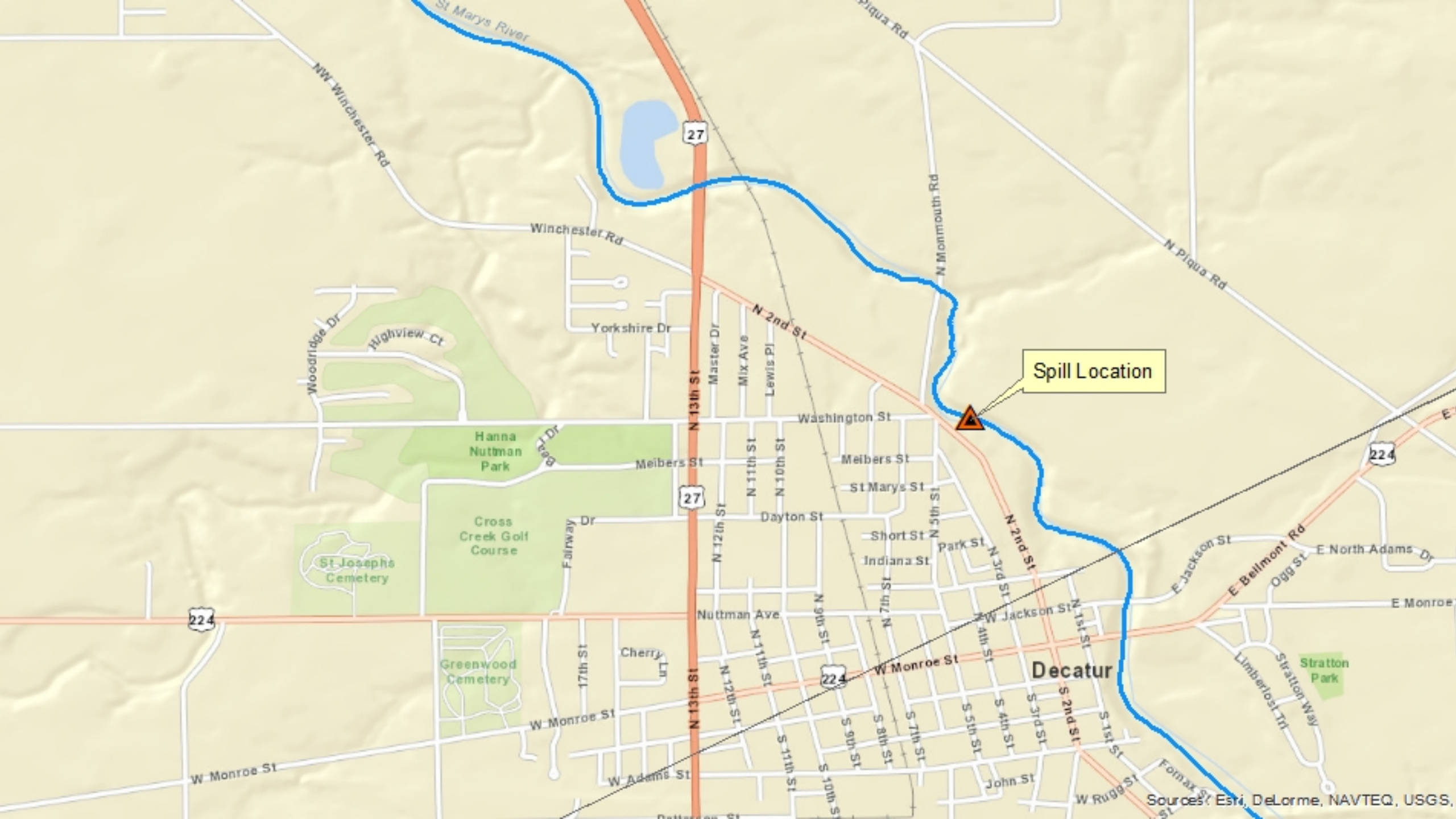
Lexington

Evansville

KENTUCKY

Content may not reflect National Geographic's current map policy. Sources: National Geographic, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment F C





Spill Location

Decatur







Initial Response Timeline

September 8, 2018

0100 hours: First meeting with responders and Buckeye at Decatur Fire Department.

0200 hours: First UC meeting. START began air monitoring.

0200-1000 hours:

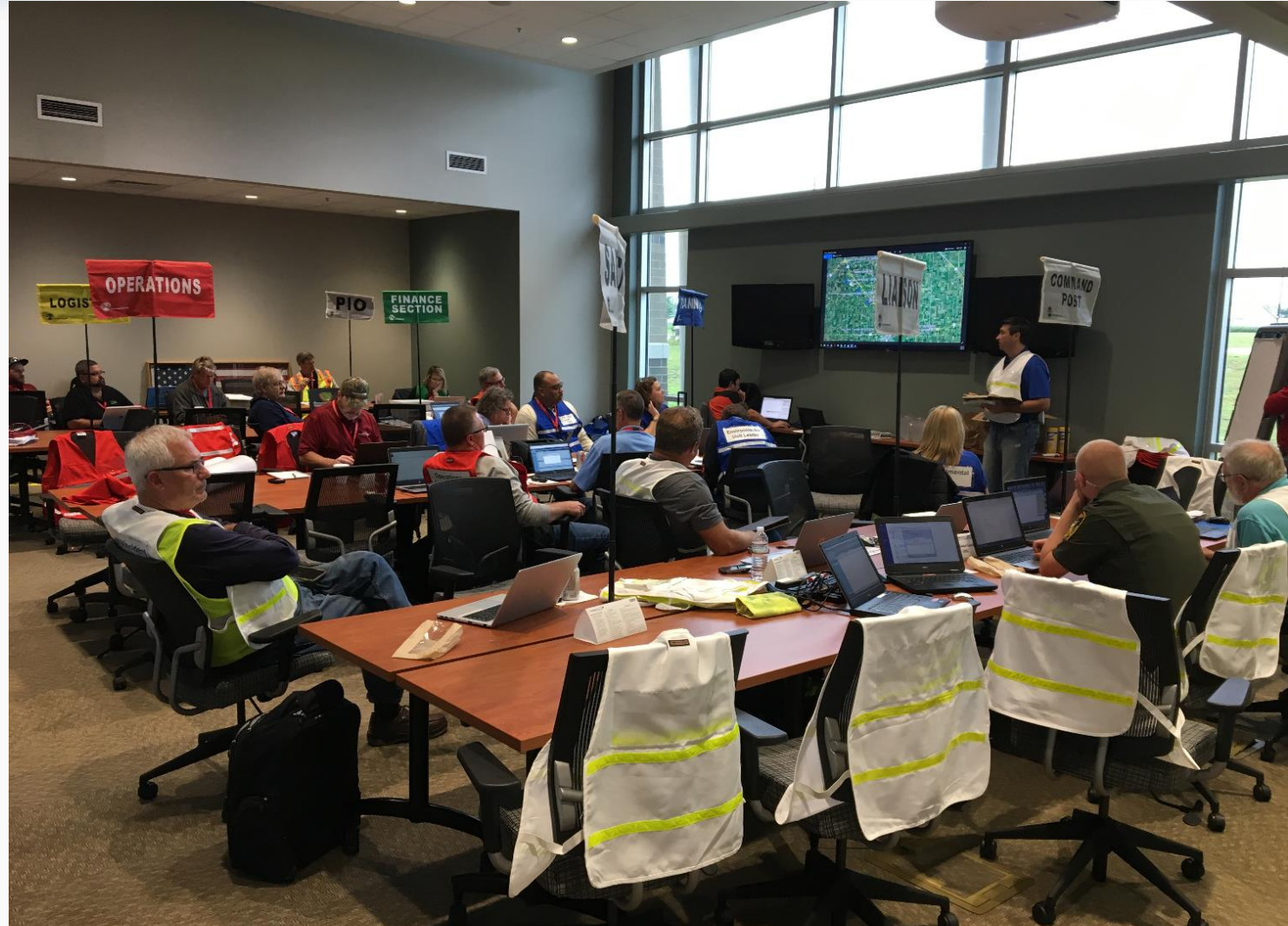
- Established ICP
- Continued air monitoring
- Started water quality monitoring and downstream reconnaissance
- Response ramping up

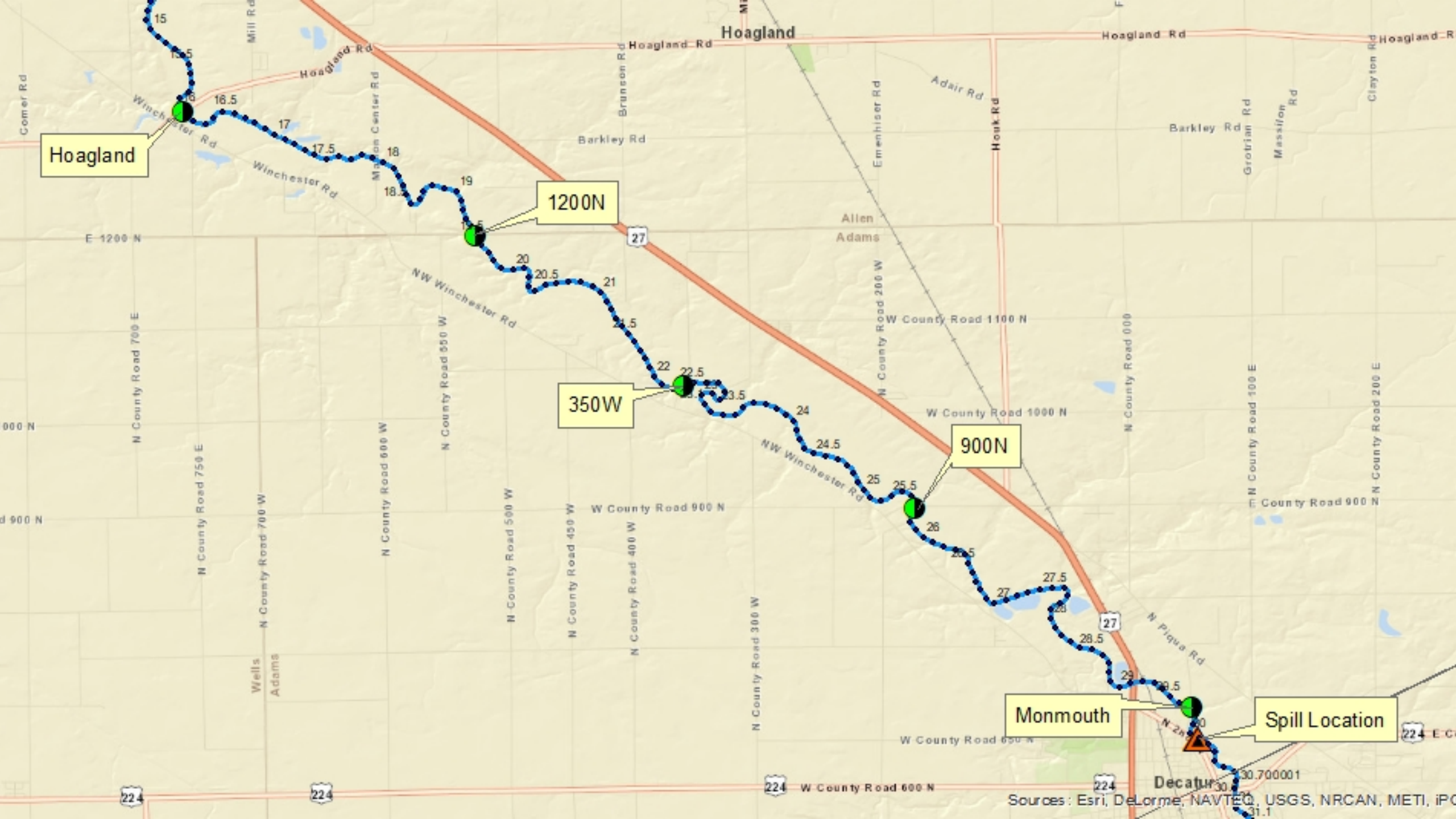
1000 hours: First Command & General Staff meeting

Unified Command



- EPA
- IDEM
- Adams County
- City of Decatur
- Buckeye Pipeline





Hoagland

1200N

350W

900N

Monmouth

Spill Location

Decatur

Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, iPC











Substance/mixture

Mixture

Ingredient name	CAS number	%
Straight run kerosene	8008-20-6	0 - 100
Kerosene (petroleum), hydrodesulfurized	64742-81-0	0 - 100
2-(2-methoxyethoxy)ethanol	111-77-3	0.1 - 0.15
Ethylbenzene	100-41-4	< 0.15

BP Jet Fuel

Hazardous Ingredient(s)

**Common name /
Synonyms**

CAS No.

% wt./wt.

Kerosine (petroleum)	Kerosene	8008-20-6	60 - 100
Naphthalene	Not available.	91-20-3	1 - 5
Benzene, dimethyl-	Xylene	1330-20-7	1 - 5
Benzene, ethyl-	Ethylbenzene	100-41-4	0.1 - 1
Benzene	Not available.	71-43-2	0.1 - 1
Benzene, methyl-	Toluene	108-88-3	variable
Hydrogen sulfide (H ₂ S)	Hydrogen sulphide	7783-06-4	variable

Husky Jet Fuel

Air monitoring



Water Monitoring

- pH
- Dissolved oxygen
- Conductivity
- Temperature
- Oxidation-reduction potential



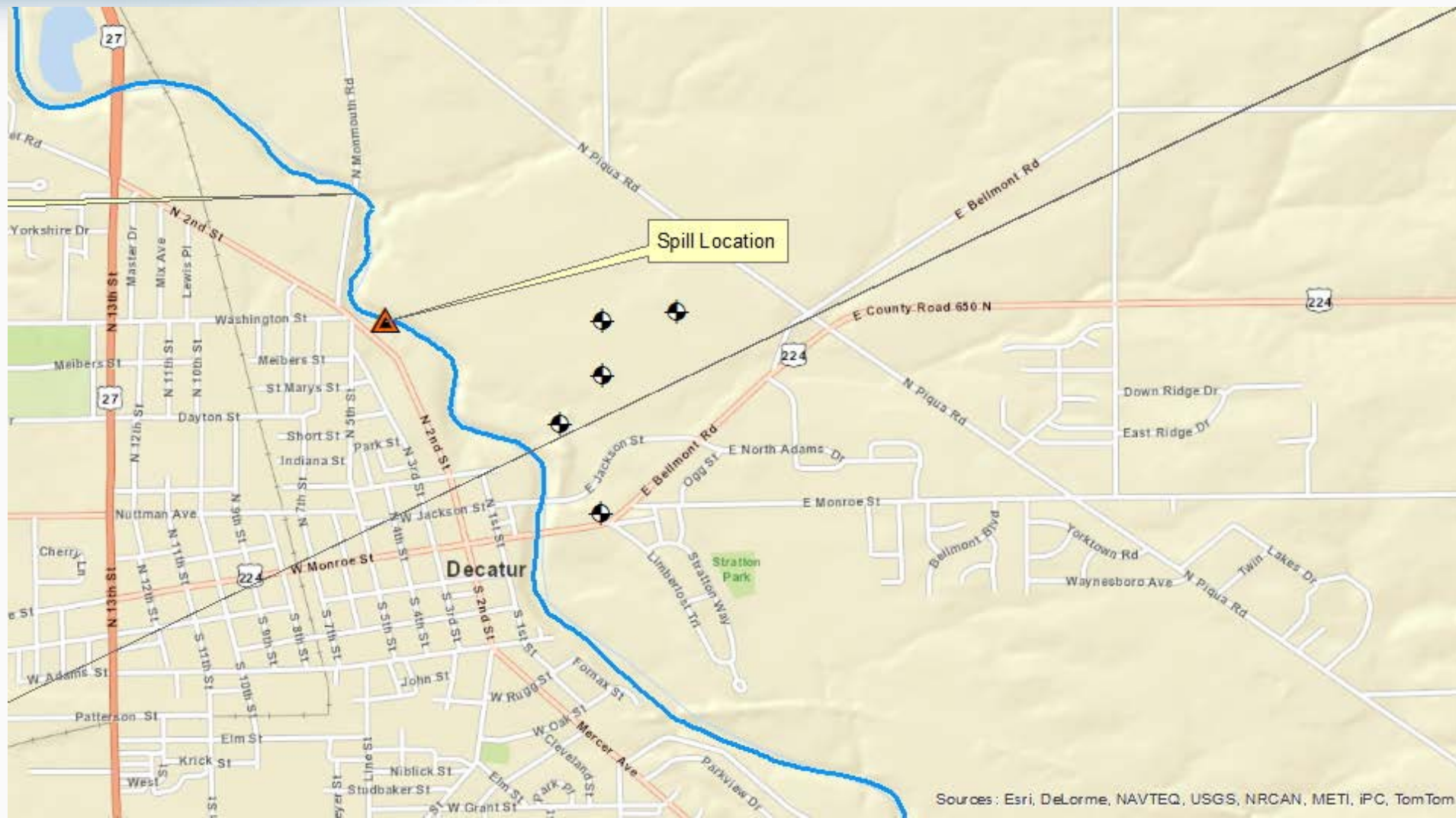
Damaged Wildlife



Municipal Well Sampling



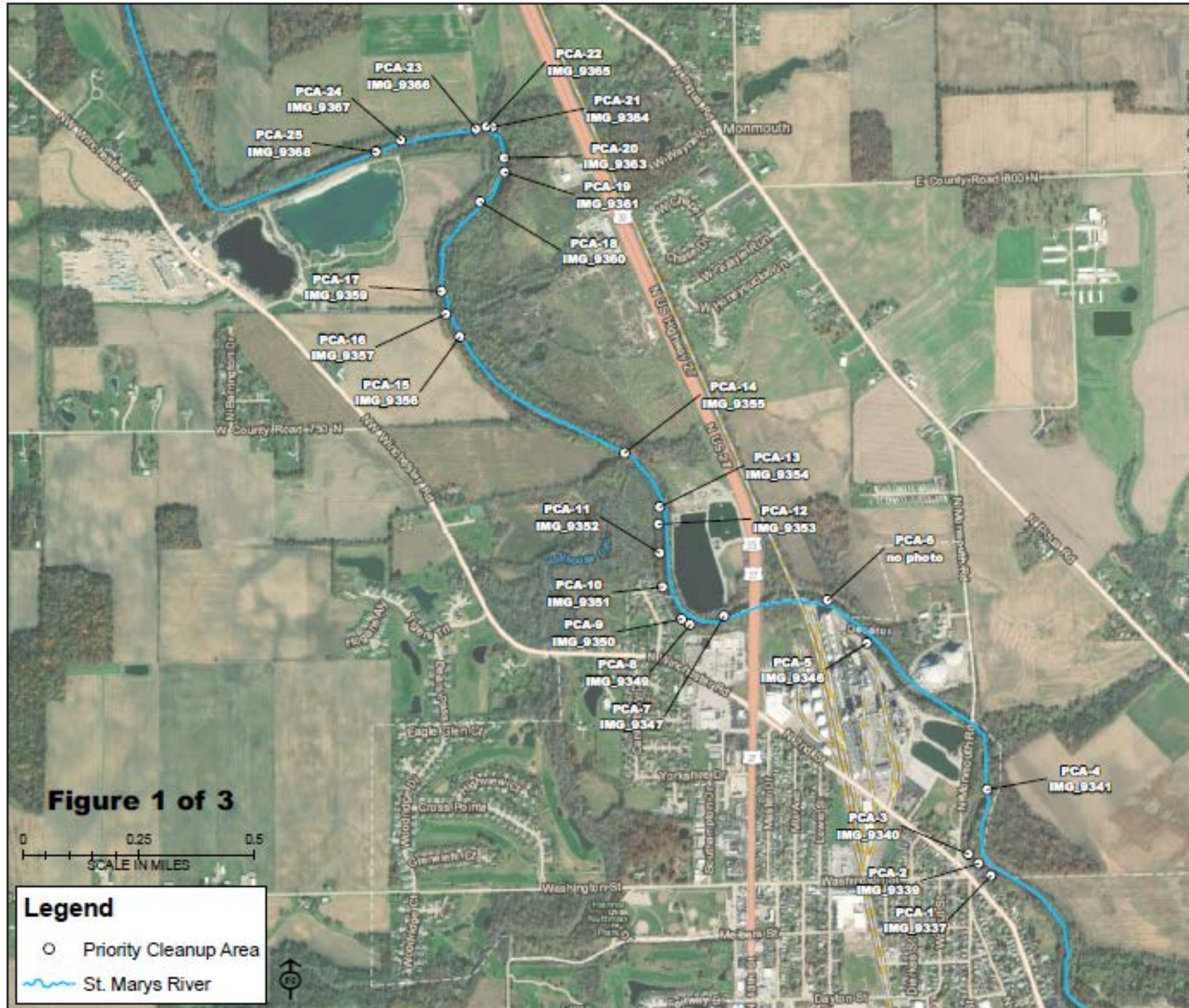
- VOC
- PAH



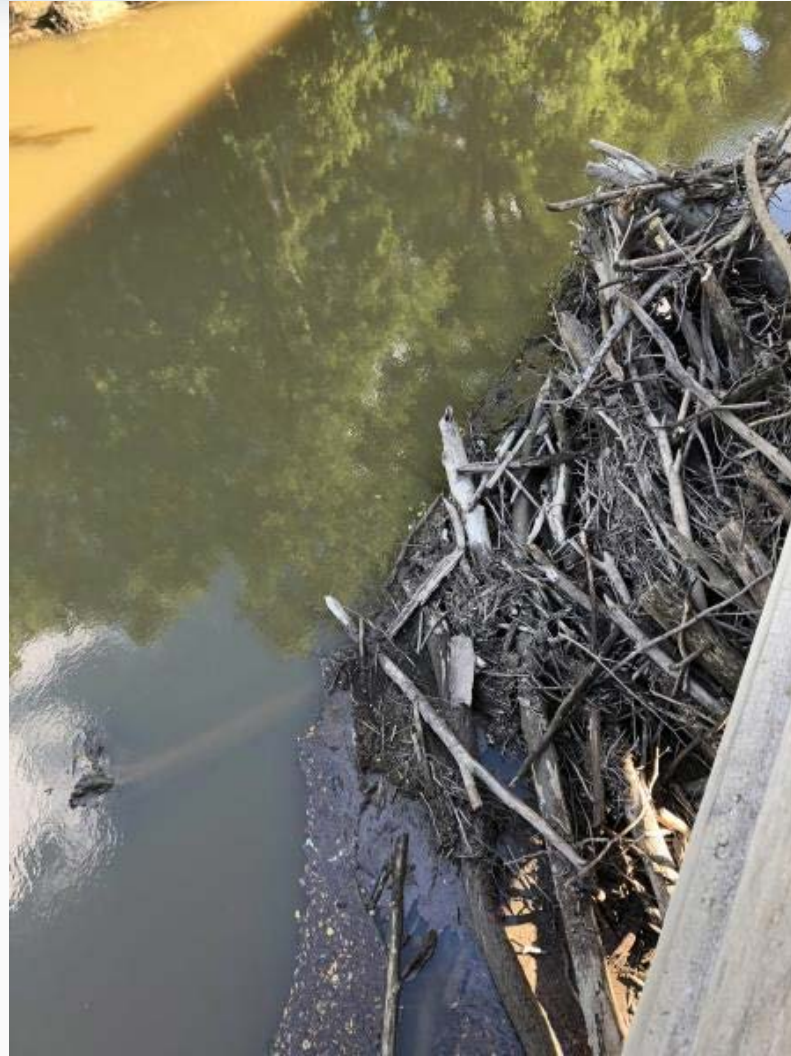
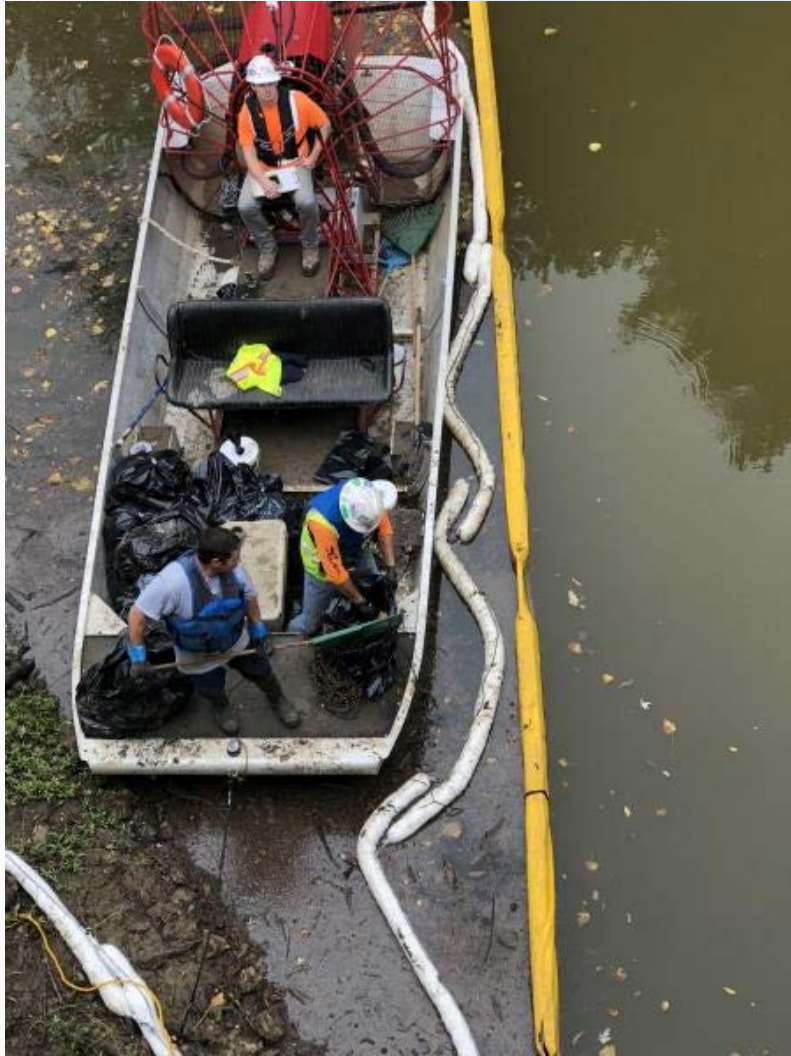
Sources : Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, iPC, TomTom

SCAT

- 48 Priority Cleanup Areas (PCA) identified



Debris Removal



Metrics



- 8,190 gallons (195 barrels) discharged
- 56,669 gallons petroleum-impacted water recovered (4,654 gallons LNAPL estimated)
- 38.21 tons of soil excavated
- 23.38 tons of absorbents
- 20.07 tons of debris
- 13 miles of river cleaned/restored



Questions?