



**Marathon  
Pipe Line LLC**


# Pipeline Emergency Preparedness & Response

Ottawa County Water Quality Forum  
November 21, 2016


# Marathon Pipe Line LLC in Ottawa County




## Pipelines All Pipelines (Blue Halo Represents 1.0 Mile Radius)

 Lottaville - North Muskegon 10" Pipeline

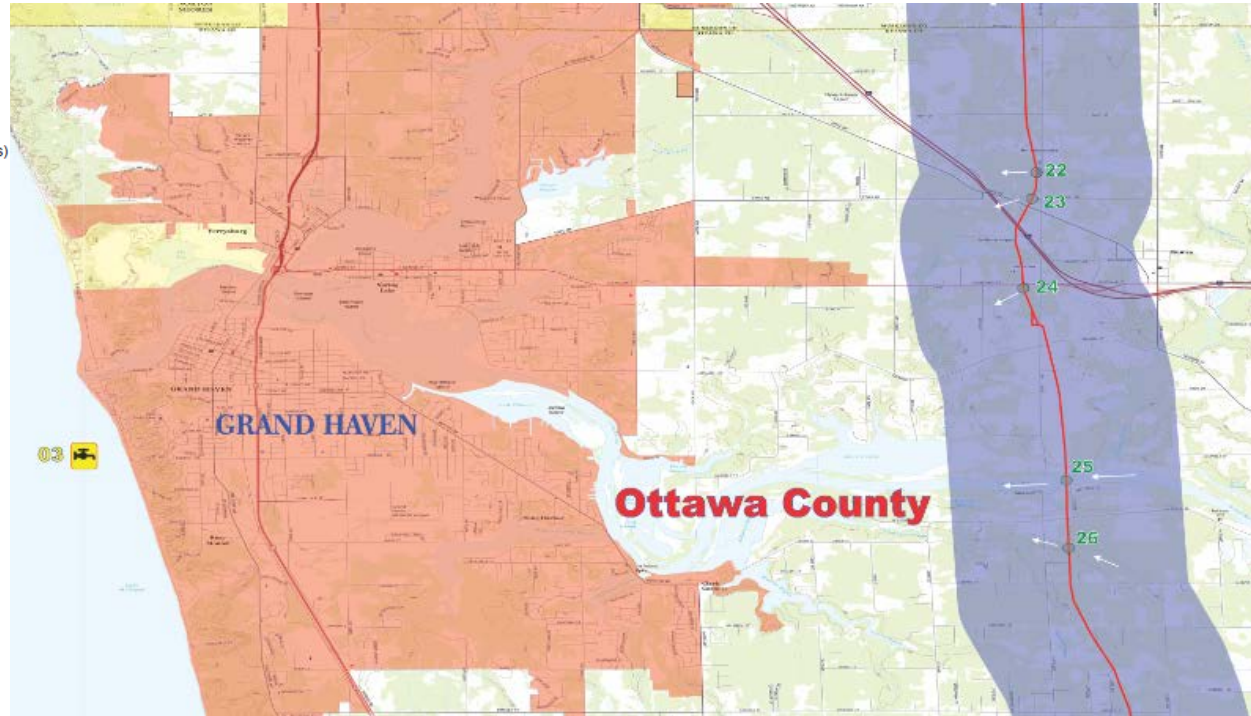
## Sensitivities

 Water Intake(s)  
 01 - City of Muskegon Water Intake  
 02 - City of Muskegon Heights Water Intakes (3 intakes)  
 03 - City of Grand Haven Water Intake

 Waterway Crossing(s) (  denotes flow direction)

- 01 - North Channel Muskegon River
- 02 - Muskegon River
- 03 - Drainage to Muskegon River
- 04 - Fournille Creek
- 05 - Ryerson Creek Fork
- 06 - Little Black Creek
- 07 - Little Black Creek Fork
- 08 - Black Creek
- 09 - Black Creek
- 10 - Black Creek
- 11 - Black Creek
- 12 - Black Creek
- 13 - Little Black Creek
- 14 - Ruddiman Creek Fork
- 15 - Ruddiman Creek
- 16 - Rhymer Creek
- 17 - Rhymer Creek
- 18 - Norris Creek
- 19 - Norris Creek Fork
- 20 - Norris Creek Fork
- 21 - Vincent Creek
- 22 - Black Creek Fork
- 23 - Black Creek
- 24 - Black Creek Fork
- 25 - Grand River
- 26 - Robinson Bayou Fork
- 27 - Robinson Bayou

-  Valve Location
-  Wellhead Protection Area
-  High Population Area (Red Shaded Area)
-  Other Populated Area (Yellow Shaded Area)
-  Environmentally Sensitive Habitat/Area (Endangered or Threatened Species)



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## Sensitivities



**Water Intake(s)**

- 04 - City of Grand Haven Water Intakes (7 intakes)
- 05 - City of Wyoming Water Intake
- 06 - City of Holland Water Intake



**Waterway Crossing(s)** ( —> denotes flow direction)

- 28 - Bear Creek
- 29 - Pigeon River Drainage
- 30 - Pigeon River Drainage
- 31 - Pigeon River
- 32 - Pigeon River Drainage
- 33 - Pigeon River Drainage
- 34 - Owens and Sawyer Drain
- 35 - Bosch and Hulst Drain
- 36 - Bosch and Hulst Drain
- 37 - Bosch and Hulst Drain
- 38 - Bosch and Hulst Drain
- 39 - Bosch and Hulst Drain
- 40 - Bosch and Hulst Drain
- 41 - Bosch and Hulst Drain
- 42 - Macatawa River
- 43 - North Branch Macatawa River
- 44 - South Branch Macatawa River
- 45 - Kleinheksel Drain
- 46 - Kleinheksel Drain
- 47 - Rabbit River Drainage
- 48 - Rabbit River
- 49 - Kalamazoo River
- 50 - Mann Creek
- 51 - Mann Creek
- 52 - North Branch Black River Drainage
- 53 - North Branch Black River Drainage
- 54 - North Branch Black River Drainage
- 55 - North Branch Black River Drainage
- 56 - North Branch Black River Drainage



Valve Location



Wellhead Protection Area



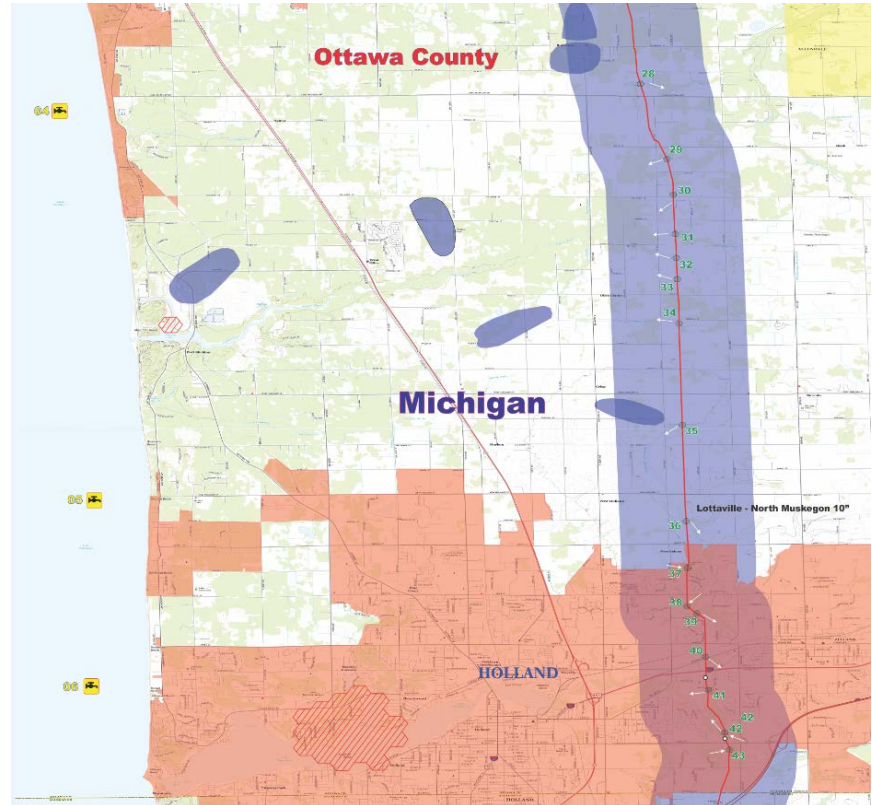
High Population Area (Red Shaded Area)



Other Populated Area (Yellow Shaded Area)



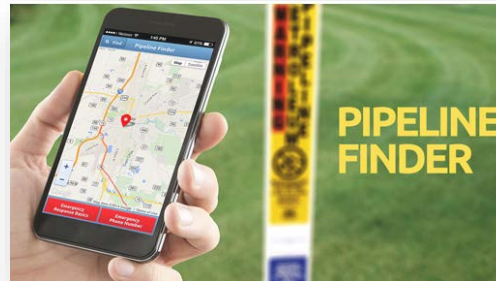
Environmentally Sensitive Habitat/Area (Endangered or Threatened Species)



# Integrity Management & Damage Prevention



- Inline Inspections
- Hydrotests
- Corrosion Control
- Aerial Patrol
- One Call Process
- Public Awareness Program
- First Responder Liaison Program
- Marathon Pipe Line Finder



# Initial Emergency Response Activities



## ● Assessment

- Stop-Help-Start process
- On-scene verification by field personnel

## ● Notifications

- Local emergency response agencies
- State/Federal agencies
- Response contractors

## ● Mobilization

- Trained Marathon Pipe Line emergency responders
- Company owned response equipment
- Oil Spill Removal Organizations (OSROs)



## ● Training

- Incident Command System (ICS)
  - 100, 200, 300, Position Specific
- HAZWOPER Certifications
  - Awareness, Operations, Technician
- Freshwater Oil Spill Training

## ● Annual Drills & Exercises

- (1) Tier III functional exercise
- (3) Tier II functional exercises
- (1) Tier II hurricane tabletop exercise
- (18) Tier I tabletop exercises



