

# Segment 1 - Update

CAG Meeting

April 16, 2012

# Sediment Management Areas within Segment 1

- Specific areas identified that need cleanup
- Called “Sediment Management Areas” or “SMAs”
- EPA selected remedies in late 2011



# Segment 1 - Selected Remedies

- SMA 1 – Cap sediment to provide isolation
- SMA 2 & 3 – Cap, physical containment using sheet pile, product (DNAPL) removal and treatment, hydraulic removal and treatment
- SMA 4 & 5 – Cap
- SMA 6 – Ethyl Parathion sediment removal, cap, physical containment , product removal, hydraulic removal

# Segment 1 Sequence/Phasing

## **2012**

- DNAPL Recovery Evaluation – SMA 2,3 &6
- DNAPL Recovery – SMA 2,3,&6
- Cap – SMA 4&5

## **2013**

- Continue DNAPL Recovery – SMA 2,3 &6
- Sediment Removal – SMA 6
- Sheet Pile and Cap – SMA 2,3 &6
- Hydraulic Removal – SMA 2,3 &6
- Cap – SMA 1

# Segment 1 - 2012 Activities

## **Product Recovery Evaluation – SMA 2,3 &6**

- Install a series of 2” vertical wells
- Develop wells and monitor for DNAPL
- Identify wells for DNAPL recovery

## **Product Recovery – SMA 2,3,&6**

- Perform scheduled pumping of recovery wells
- Monitor and adapt pumping frequency to optimize DNAPL recovery

## **Vertical Isolation Capping – SMA 4&5**

- Installation of isolation and armor stone cap

# Segment 1 – 2012 Schedule

## **SMA 2, 3 & 6 Product Recovery**

- Final Design Submitted late April
- Mobilization May
- Install River Access Docks May
- Install Debris Protection June
- Product Recovery Evaluation June - July
- Product Recovery July - October
- Remove Product Recovery Systems Oct/Nov

# Segment 1 – 2012 Schedule cont.

## **SMA 4&5 Cap Isolation**

- Final Design Submitted May
- Mobilization July
- SMA 4 Cap Installation Aug
- SMA 5 Cap Installation Aug

# 2012 Segment 1 Activities

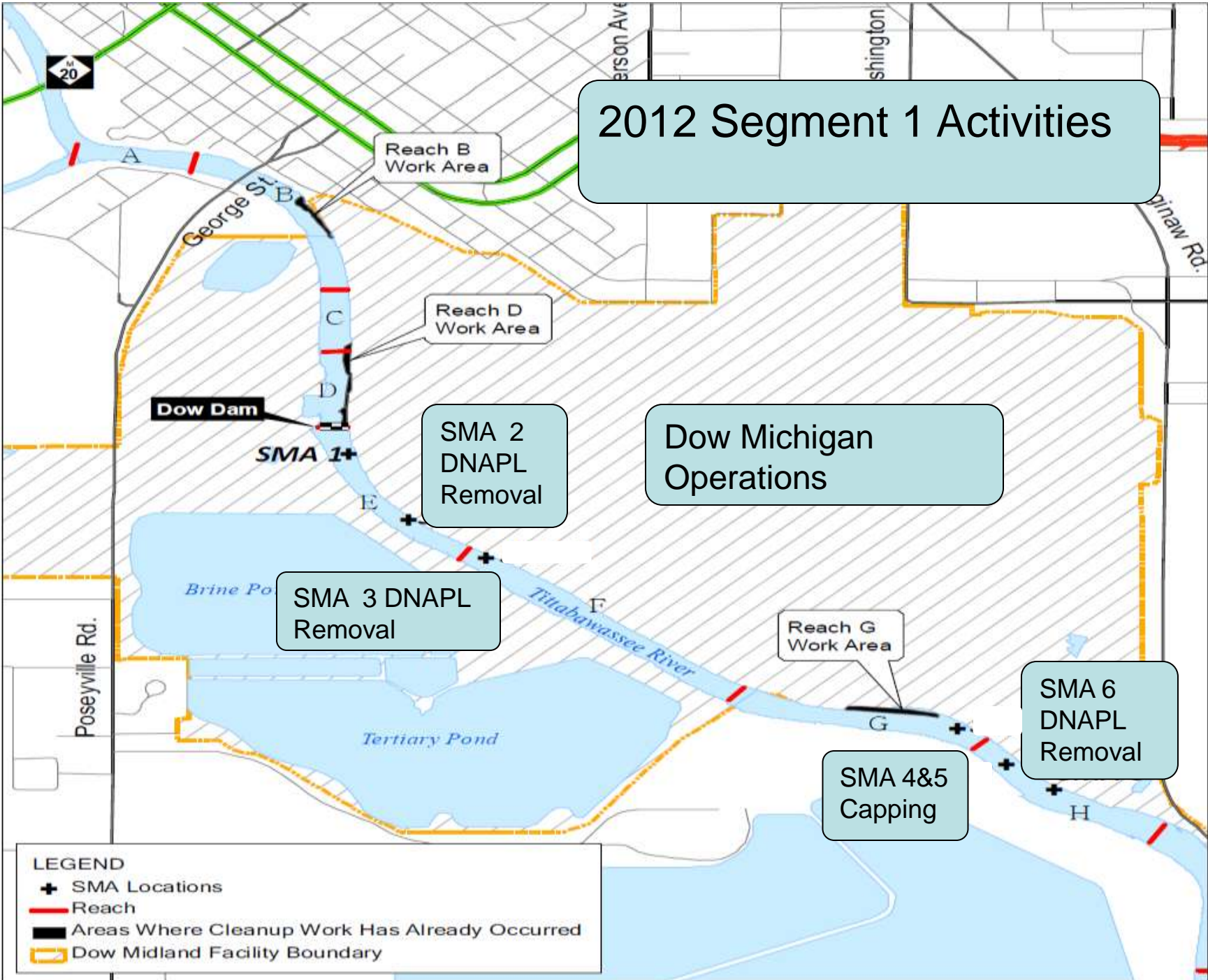
Dow Michigan Operations

SMA 2  
DNAPL  
Removal

SMA 3 DNAPL  
Removal

SMA 4&5  
Capping

SMA 6  
DNAPL  
Removal





**QUESTIONS**