

Tittabawasse River, Saginaw River & Bay Site



Project Update and CAG Involvement

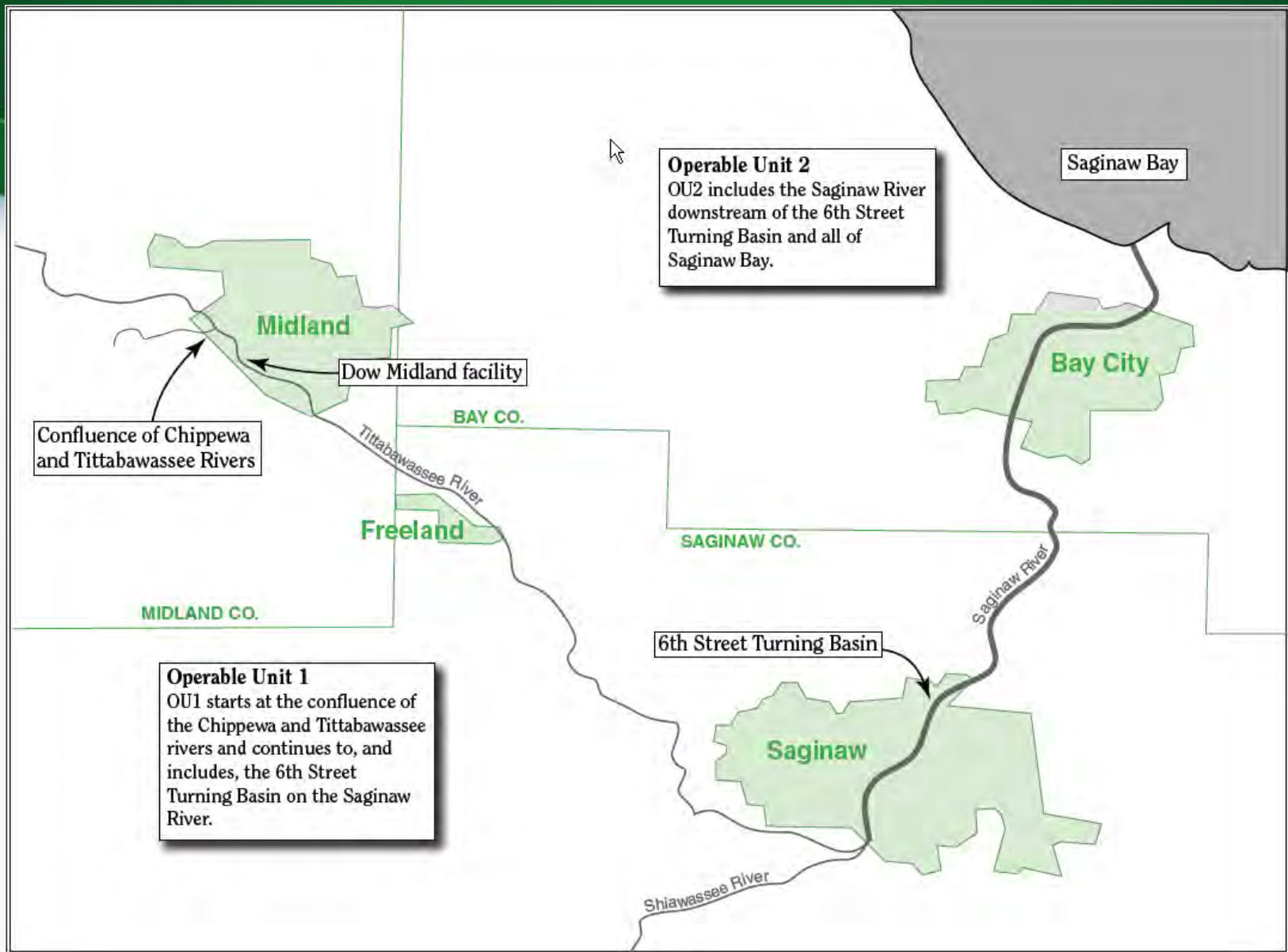
Mary Logan – U.S. EPA

*CAG Meeting
December 3, 2012*

Outline



- Project progress in 2012
- Expected activities for 2013
- CAG involvement in 2012 vs. 2013



Site Operable Units - OUs

Major Goals



- Limiting contact with bare floodplain soil in areas frequently used by people
- Controlling movement of highly contaminated soil and sediment through early actions
- Developing comprehensive long-term cleanup options for the rivers and bay

High Use Properties Key Objectives



- Intent is to provide interim exposure controls in the near-term, where needed
 - Focus on areas of high human use and frequently flooded
 - Focus on temporary exposure control measures
- Additional actions will be considered as part of the Tittabawassee River Floodplain evaluation

High Use Properties 2012 Accomplishments



- Assessments attempted at 53 Tittabawassee River floodplain properties
- Work conducted at 20 eligible properties

High Use Properties Going Forward in 2013



- Continue to identify whether there are additional floodplain properties that need to be assessed
 - Evaluate against established criteria
 - If eligible, exposure controls will be available
- Develop maintenance plan

Contaminant Movement Key Objectives



- Intent is to control significant contaminant movement in the near-term, where needed
 - Focus on eroding contaminated sediment deposits or river banks
 - Focus on stabilizing contaminant movement
- Additional actions considered as part of segment-specific evaluations

Contaminant Movement 2012 Accomplishments



- Reach K – Innovative capping pilot
 - Completed in July
 - Used geocell materials
 - Natural sediment buildup fills in the web cells and remains stable
- Investigation of bank and in-channel areas
- Began a Sediment Erosion and Deposition Assessment (SEDA)

Contaminant Movement Going Forward in 2013



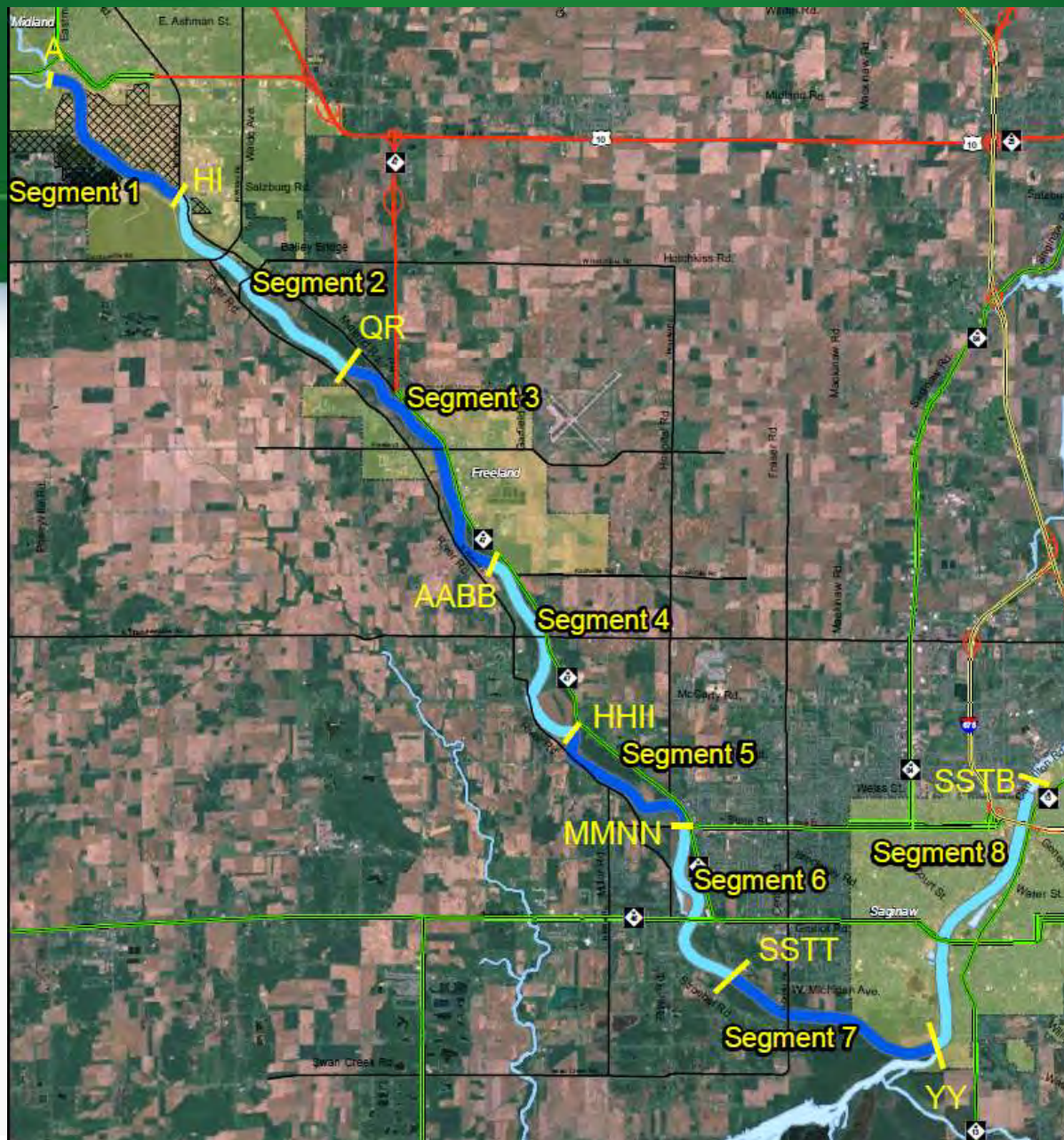
- Complete the SEDA
- Ongoing investigation of bank and in-channel areas
- Continue to identify areas and implement actions when necessary

Segment-by-Segment Approach

Key Objectives



- Divide OU 1 into manageable segments
- Upstream to downstream approach
- Segment-Specific Response Proposals
 - Build on existing work
 - Fill data gaps as needed



Segments for Operable Unit 1

Segment-by-Segment Approach 2012 Accomplishments



- Segment 1
 - Cleanups selected in late 2011
 - Specific Sediment Management Areas (SMAs)
- Phase I cleanup
 - SMAs 2, 3, and 6 – DNAPL removal
 - SMAs 4 and 5 – capping completed
- Design work underway for Phase II in 2013

Segment-by-Segment Approach Going Forward in 2013

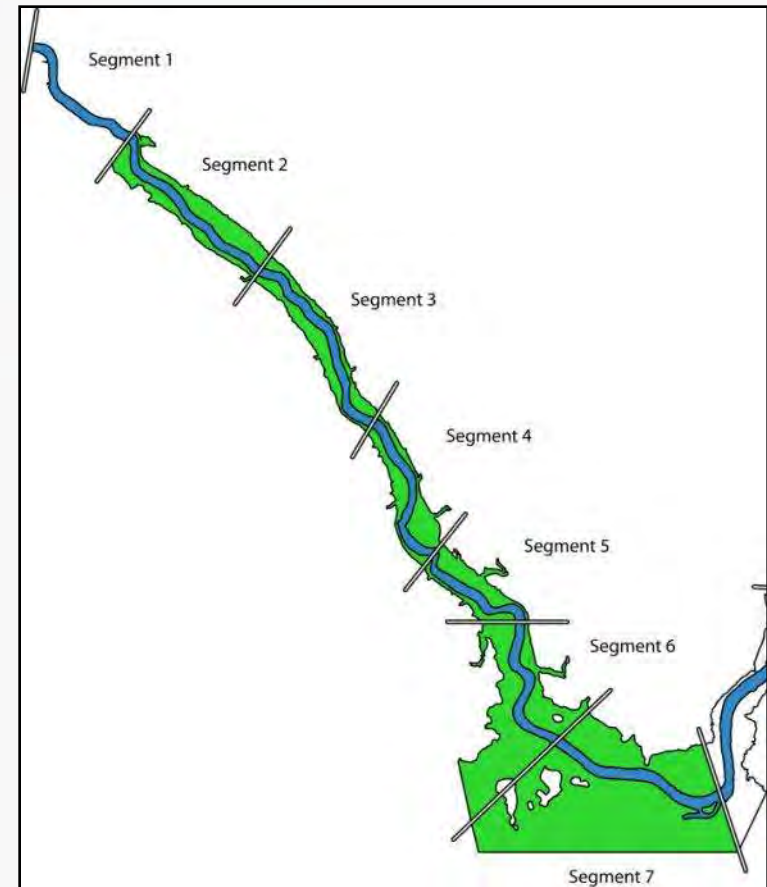


- Segment 1 construction anticipated to be complete in 2013
- Segment 2 Response Proposal
 - Anticipate proposal to public in mid-2013
 - Cleanup selected late 2013
 - Construction expected to start in 2014

Tittabawasse River Floodplain Approach Going Forward in 2013



- In 2013, EPA will conduct early informal outreach before cleanup options are developed, proposed, or finalized
- Alternatives Array
 - Will outline cleanup options and their tradeoffs
 - Used for community outreach
- EPA hopes to have a proposal for floodplain cleanup to the public for formal comment in 2014



What's Next?

Project Area	2012	2013	2014
Segment 1	First season of field work completed	Remobilize to finish field work	
Segment 2	Develop cleanup plan	Propose cleanup plan to public Finalize cleanup plan	Begin first season of field work (anticipate two field seasons)
Segment 3			Develop cleanup plan
Tittabawassee River Floodplain	Community outreach planning begins	Engage floodplain stakeholders regarding cleanup options & tradeoffs to inform decision-making process Develop cleanup plan	Propose cleanup plan to public Finalize cleanup plan

Potential CAG Involvement in 2013



- Segment 2 proposed cleanup plan
 - Informal feedback on options
 - Formal comments during comment period
- Tittabawassee River Floodplain
 - Informal feedback on outreach plans
 - Informal feedback on potential options and their tradeoffs
- The CAG can help advise in other areas
 - Other site-related issues to focus on?



→ Talk About Proposed CAG Calendar

QUESTIONS/COMMENTS