

Tittabawassee River, Saginaw River
& Bay Site



Project Timeline and CAG Involvement

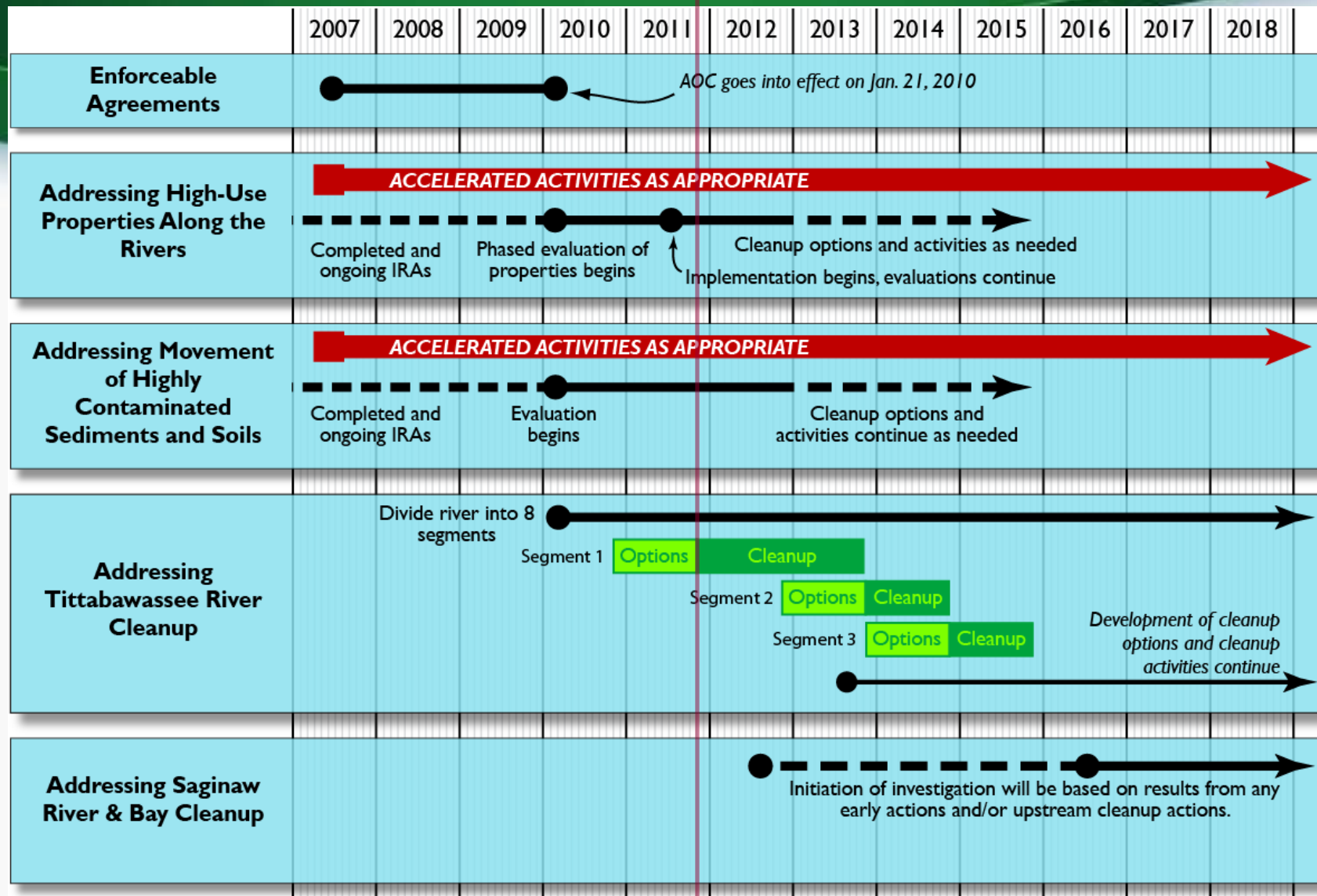
Diane Russell – U.S. EPA

*Tittabawassee-Saginaw Rivers Contamination CAG Meeting
December 12, 2011*

Outline



- Project timeline updated for 2012
- CAG involvement on technical projects in 2011 vs. 2012
- CAG involvement in other areas



EPA's Projected Timeline – Dec 2011

High Use Properties Key Objectives



- Develop options to address potential acute or near-term exposure risks
 - Focus on areas of high human use and frequently flooded
 - Focus on exposure control
 - Additional actions considered as part of segment-specific evaluations

High Use Properties 2011 Accomplishments

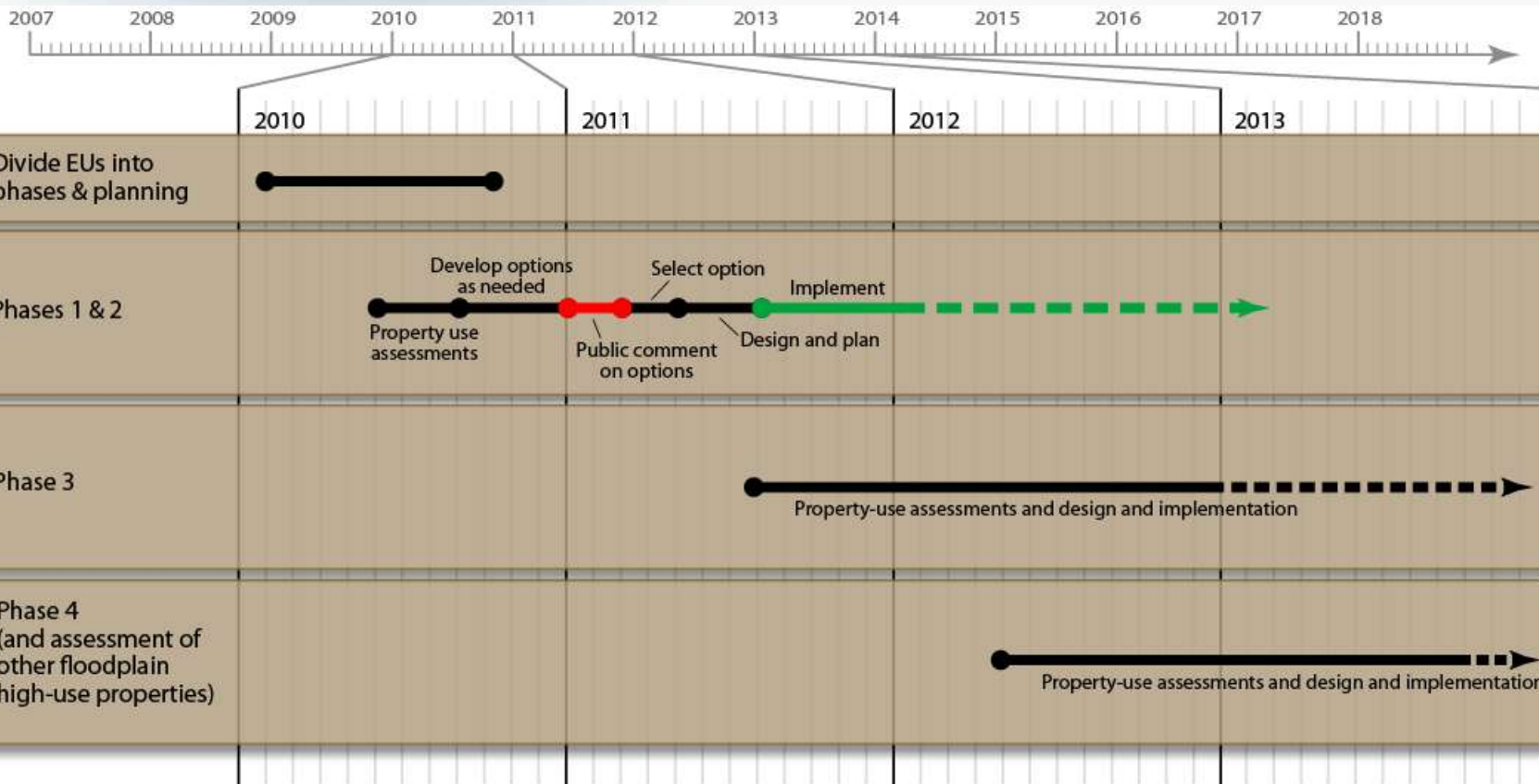


- Assessments conducted on nearly 100 floodplain properties
 - Work conducted at 25 properties within Exposure Units (EUs).

High Use Properties Going Forward in 2012



- Continue assessments and implementation on EU properties
- Begin looking at additional floodplain properties outside of EU boundaries.
 - To evaluate to meet established criteria
 - If so, exposure controls will be available



Contaminant Movement Key Objectives



- Develop options to address potential acute or near-term contaminant transport risks
 - Focus on highly eroding areas that are highly contaminated
 - Focus on stabilizing contaminant movement
 - Additional actions considered as part of segment-specific evaluations
- New areas can be identified, as needed

Contaminant Movement 2011 Accomplishments



- Island MM
 - Removal of sediments, capping, and restoration
- Investigation of bank and in-channel areas

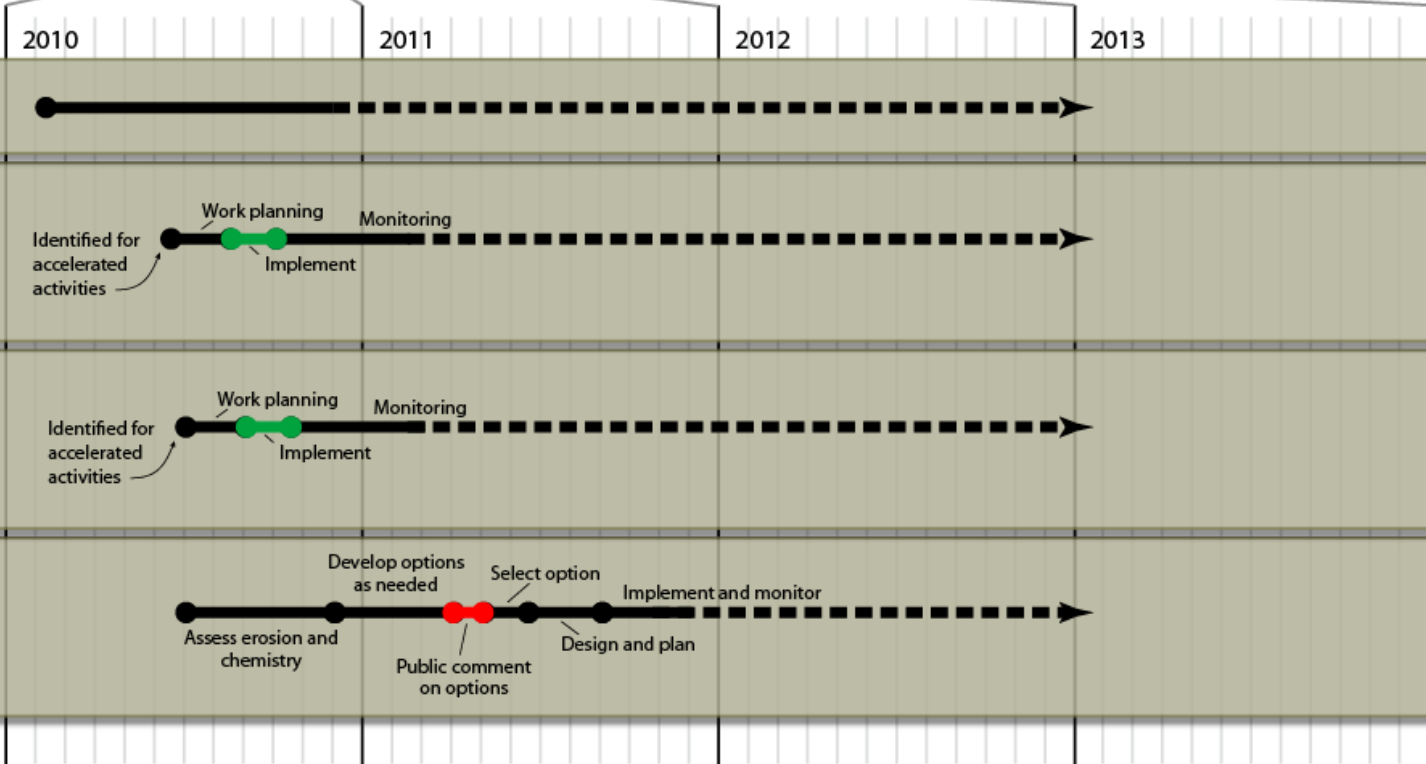
Contaminant Movement Going Forward in 2012



- Continue to identify areas and implement actions when necessary
- Finalize data from 2011 investigation
- Complete evaluation of sediment trap(s)



Addressing Movement of Highly Contaminated Soil and Sediment

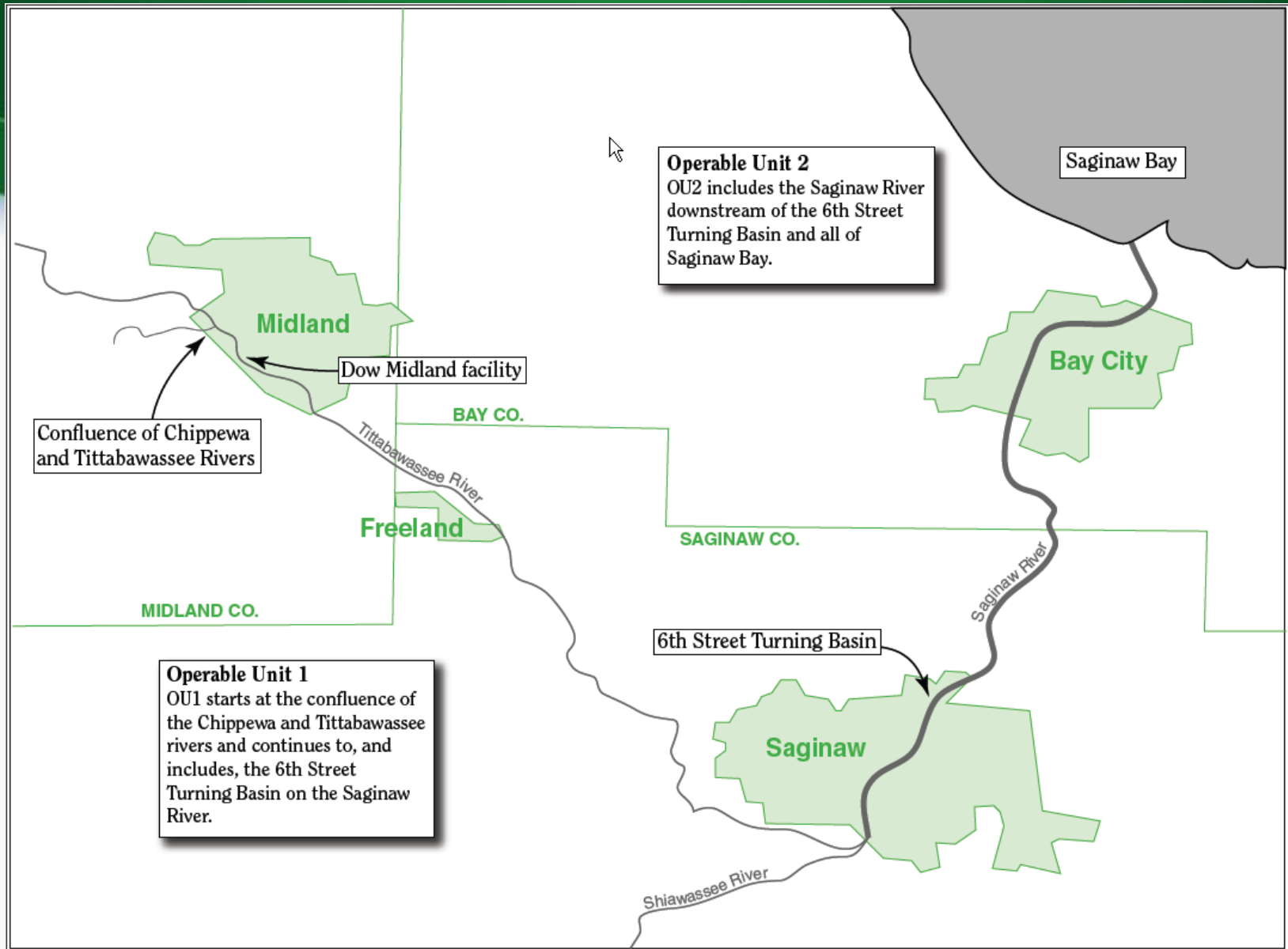


Segment-by-Segment Approach

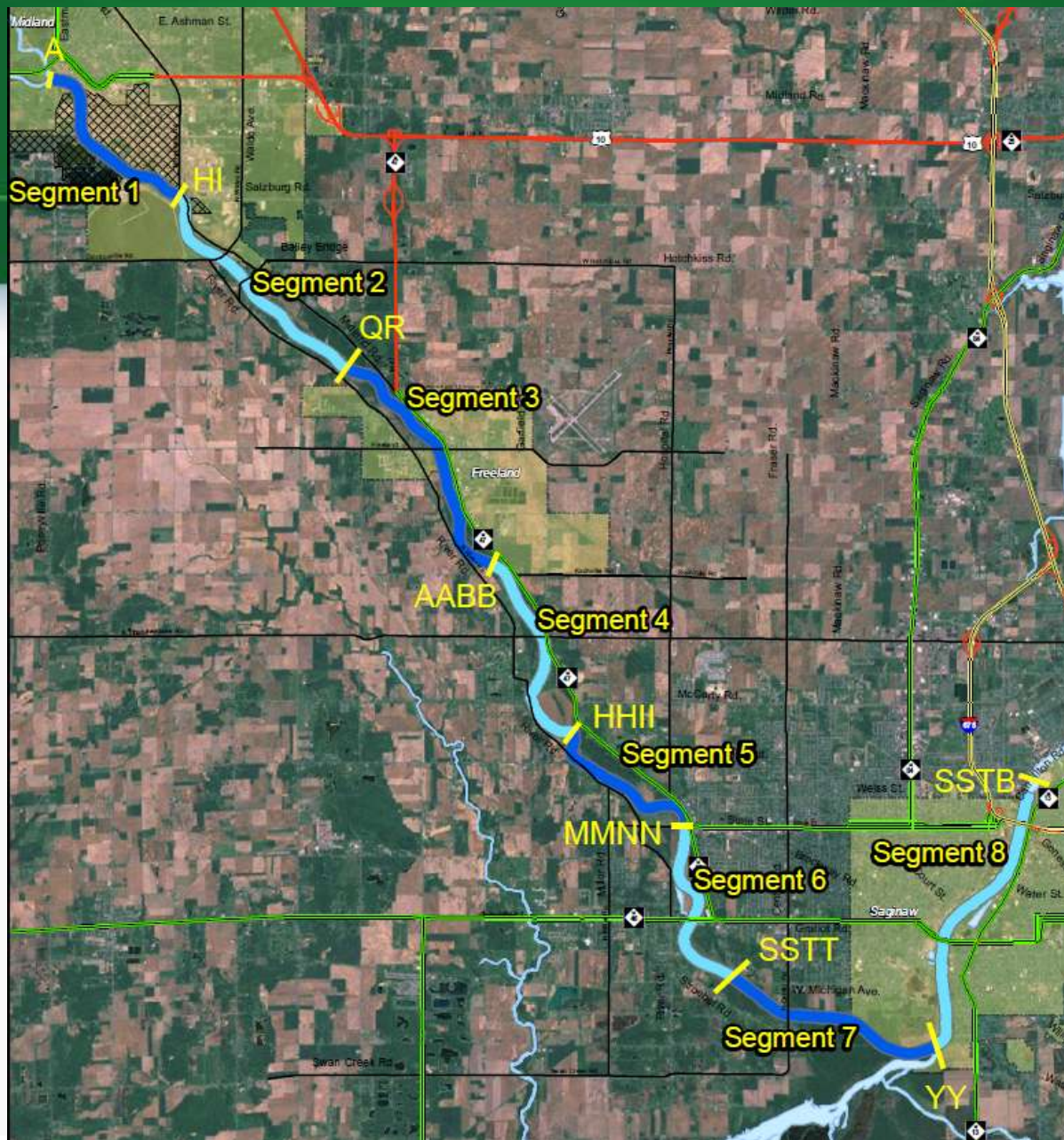
Key Objectives



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



Site Operable Units - OUs



Segments for Operable Unit 1

Segment-by-Segment Approach 2011 Accomplishments



- Segment 1 proposal
 - Proposal out for public comment in August 2011
 - Action Memo selects final approach and legal agreement signed Nov 2011 requiring Dow to conduct work
 - Design work underway

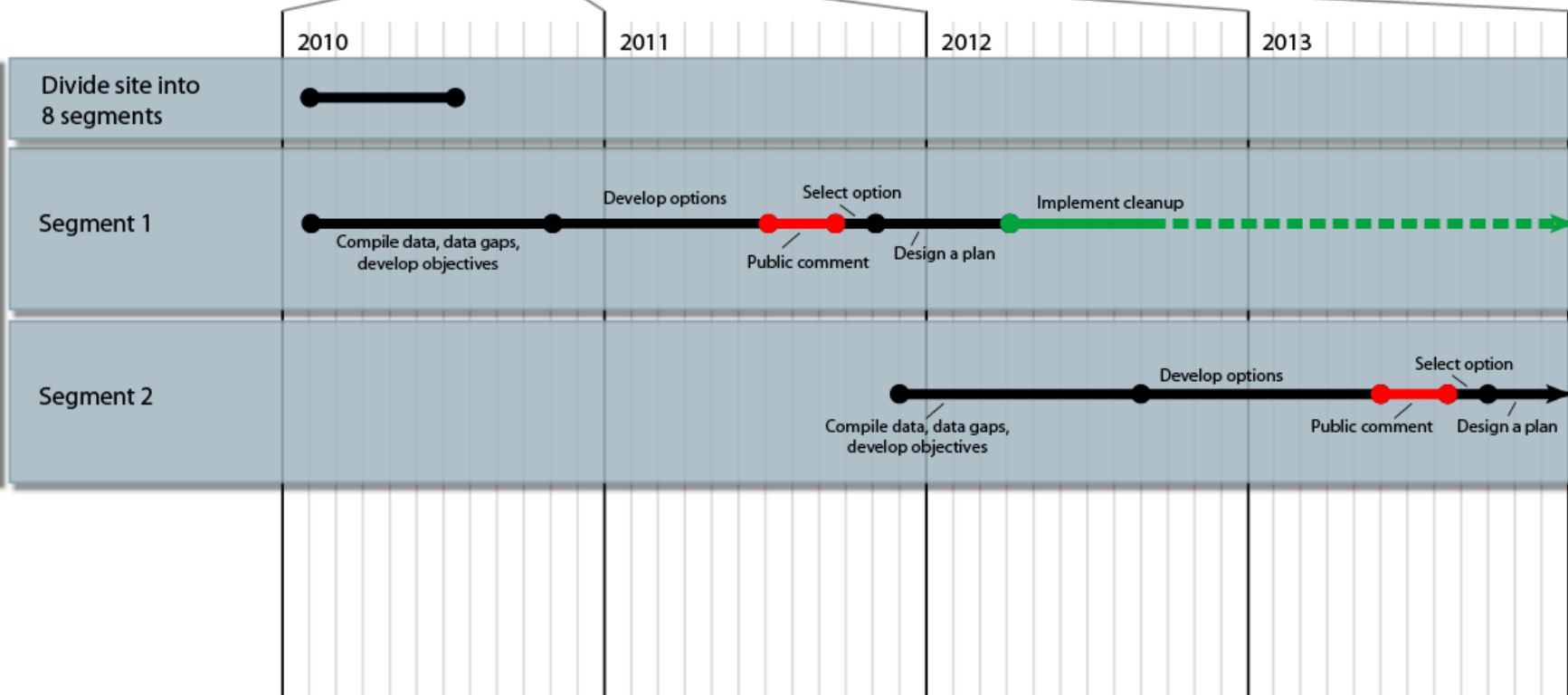
Segment-by-Segment Approach Going Forward in 2012



- Segment 1 Construction anticipated to begin in 2012
 - To take place over 2 construction seasons (2 years)
- Segment 2 analysis
 - Anticipate proposal to public spring/summer 2013



Comprehensive Tittabawassee River Cleanup



Summary of Project Focus for 2011 & 2012 and CAG Involvement

	2011	2012
High Use Properties	<ul style="list-style-type: none">- Eligibility Criteria & Exposure controls- Jan 2011 Public Comment <p>CAG Input/Feedback</p>	<ul style="list-style-type: none">- Continue controls based on criteria identified in 2011- identify additional properties that may be eligible
Contaminant Movement	<ul style="list-style-type: none">- Island MM- April 2011 Public Comment <p>CAG Input/Feedback</p>	<ul style="list-style-type: none">- Finalize data for in-channel sediments and banks & identify any additional areas- Complete assessment of sediment traps
Segment-by-segment approach	<ul style="list-style-type: none">- Segment 1- August 2011 Public Comment <p>CAG Input/Feedback</p>	<ul style="list-style-type: none">- Segment 1 moving forward<ul style="list-style-type: none">- construction in spring/summer 2012 over 2 years- Segment 2 - anticipate proposal to public spring/summer 2013



CAG Involvement – Other Areas

- The CAG can help advise in other areas
 - Are there other site-related issues that we need to focus on?
- EPA acknowledges that it is our job to conduct community outreach
 - However, the CAG might:
 - Help EPA with effective community outreach as we move into Segment 2 and beyond



END