

US EPA ARCHIVE DOCUMENT

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- Be courteous and silence/put away your electronic devices.
- Adhere to meeting agenda
- One conversation at a time
- Hold all questions until the speaker has finished with the presentation

Situation Report

April 13, 2012

Science Group Status

Data Collection	Data Compilation	Submittal
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Submerged Oil Science Group

Reassessment

Spring 2012 Sub Oil Reassessment	E		Temperature dependent, Morrow Lake, Confluence to Saylor's
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Hydrodynamic Assessment & Modeling

Sensitivity Testing		4/6	
Run Modified Scenarios		4/6	
Summary Report	E	(4/13)	

Temperature Effects Study

Sediment sample location selection and collection		12/19	
Conduct temperature study		1/11	
Compile, evaluate, and present results		4/6	

Submerged Oil Quantification

Fall 2011	E		
Spring 2012 (pre-recovery)	E		
Fall 2012 (post-recovery)	E		

• denotes status updates since the last report



Enbridge



Complete or N/A



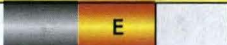
() Denotes Due Date

Science Group Status

Data Collection	Data Compilation	Submittal
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Overbank Science Group

Reassessment

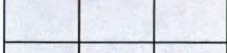
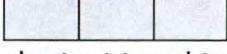
Spring 2012 Shoreline and Overbank Reassessment		
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Containment Science Group

Evaluate placement of containment

Hec-Ras Modeling	12/5	1/9	1/26	
Hydraulic Calculations	1/10	1/23	1/26	
2D Hydrodynamic Model		2/13		Flood Plain Hec Ras
Monitoring and Management Plan	1/24	1/25	2/27	

Implementation of passive sediment collection devices

Location selection		
Design review		
Installation		
Post-installation review		
Design adjustments		

- denotes status updates since the last report



Enbridge



Complete or N/A



() Denotes Due Date

Remediation Progress

Location

SCIENCE					COMPLIANCE				RECOVERY	MONITORING
RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	Execution	Completion Check

Comments

Overbank

OB 14.98 I
OB 5.92 RDB
OB 13.40 LDB
OB 8.97 I
OB 9.10 LDB
OB 10.37 RDB

	10/17	10/15	9/28	10/10	11/18	E
	12/1	12/8	11/4	12/1	1/25	E
	12/22	2/7	12/21	2/9	2/23	E
12/15	2/17	2/24	1/25	2/24	3/23	E
1/5	2/17	2/24	1/25	2/24	3/16	E
1/12	2/17	2/24	1/25	2/24	3/22	E

Submerged Oil

Walling Structure
Suboil Toolbox

			3/16	3/27	E
			E		

Containment

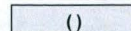
Submerged Structures I(6)
Submerged Structures II(12)
Control Points (3)
OB 8.48 LDB
SO 11.21
OB 11.79 LDB
SO 26.25

	E	↶	4/3	A		
	E	↶	E			
			3/21	3/23	4/5	
	E		E			
	E		E			
	E		E			
	E		E			

- denotes sites with status updates since the last report

 Enbridge / In development

 In Agency Review

 Denotes Due Date

 Complete or N/A

 Revisit Previous Phase

Daily Progress Tracking

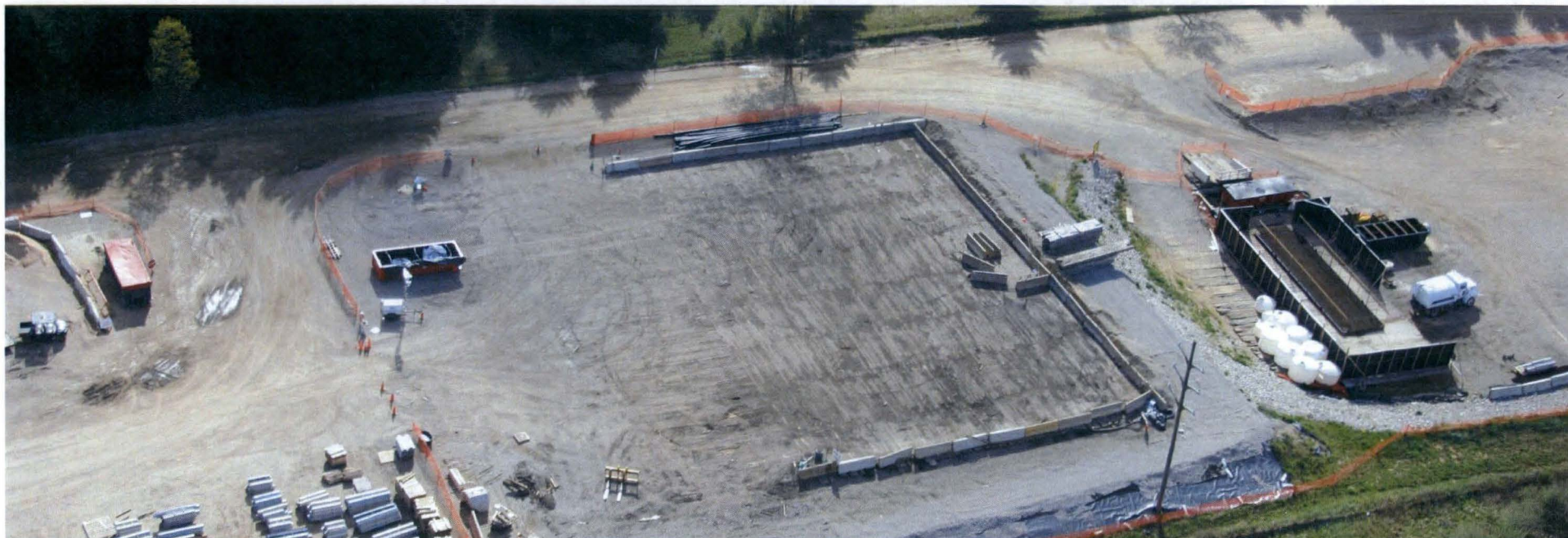
Personnel / Resources Deployed

	4/11/2012	4/10/2012
Kalamazoo River Remediation	29	26 (23)
Containment	12	13
Submerged Oil	7	7
Overbank	9	11
River Reopening	1	1
Waste Management	14	15
Security & Flaggers	5	5
Operations Center	57	52
Comm. Centers	9	3
EPA	4	4
EPA Contractors	23	19
Other Agencies	1	0
DEQ	6	6
DEQ Contractors	5	5
TOTAL	182	167

Updated

	4/11/2012	4/10/2012
Vac & Tanker Trucks	0 0	0 0
Frac Tanks	1 0	1 0
Boats**	10 0	9 1
Yellow Iron***	4 0	4 0
Roll-Off Boxes	7 0	8 0
Boom Locations	13	13
Boom in River (ft)	4,950 0	4,950 0

Facility Sites



- 1 CY in cells
- 35 gal water in Fracs
- 7 Roll offs

River Reopening Traffic Control



Confluence 4/12

River Reopening Traffic Control

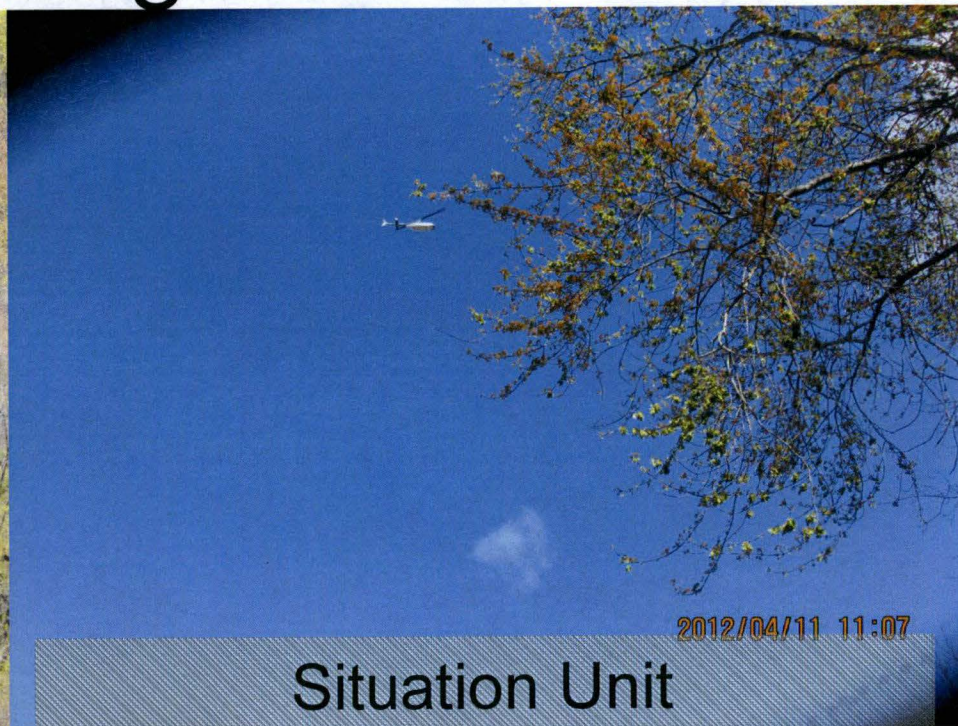


Saylor's Landing 4/12

River Monitoring and Sheen Management



Monitoring Team



Situation Unit



Remote Monitoring



MP 30.0 LDB 4/12



MP 30.0 LDB 4/12



MP 30.0 LDB 4/12



MP 30.0 LDB 4/12



MP 30.0 LDB 4/12



MP 10.0; C3.2 4/12



MP 10.0; C3.2 4/12

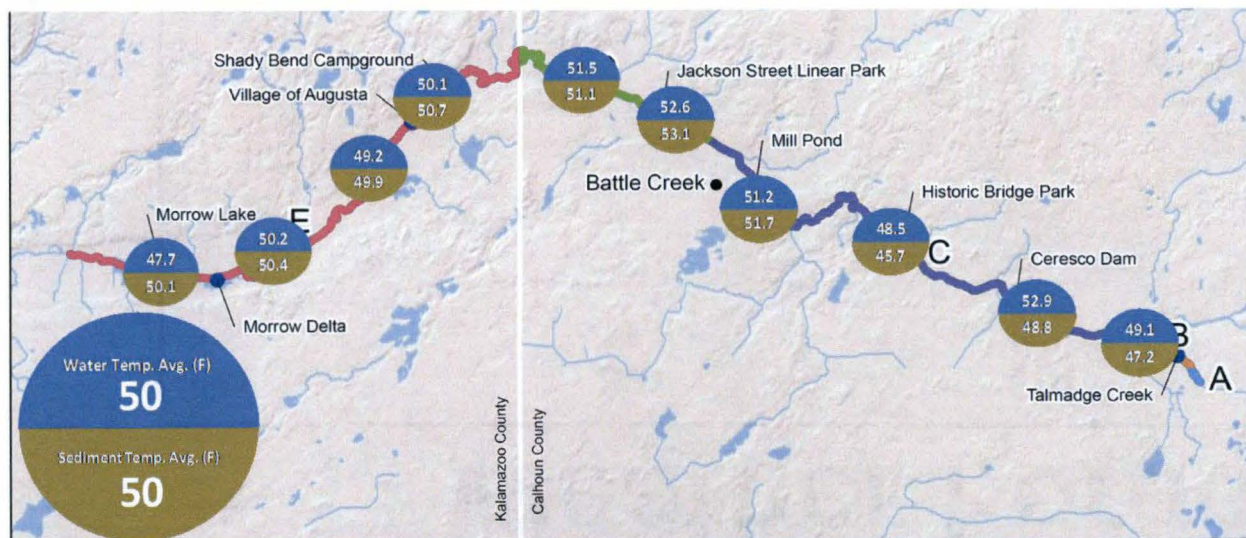


MP 10.0; C3.2 4/12

Water Conditions



DISCHARGE RATES (cfs)		
	4/11	4/12
Marshall, MI	549	448
Historical Median	454	481
Battle Creek, MI	745	760
Historical Median	1040	995



Weather Forecast

Fri 13	Sat 14	Sun 15	Mon 16
			
Mostly Sunny	T-Shower	Scattered T-Storms	Scattered T-Storms
63° High	65° High	72° High	70° High
50° Low	59° Low	57° Low	45° Low
Chance of Rain: 10%	Chance of Rain: 60%	Chance of Rain: 60%	Chance of Rain: 50%

Command & General Staff Updates for UC

Closing Remarks

- Enbridge
- DEQ
- US EPA